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OF THE

COMMISSIONER OF PATENTS

FOR

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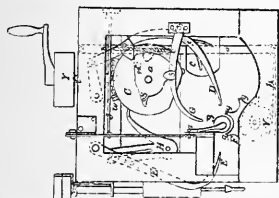


## ILLUSTRATIONS OF PATENTS

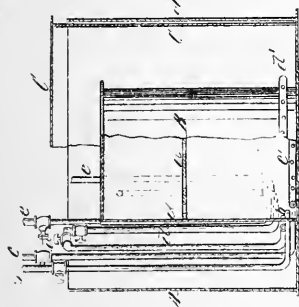
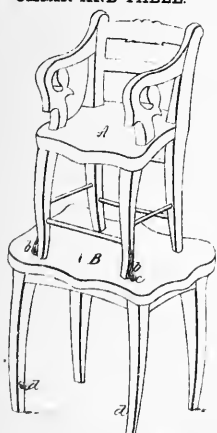
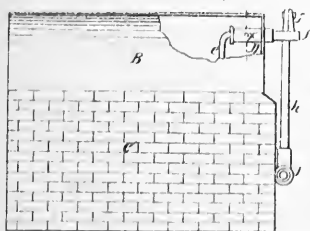
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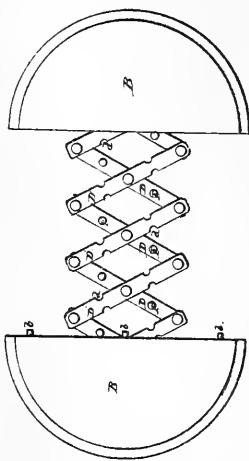
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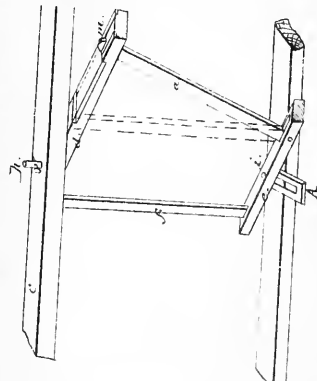
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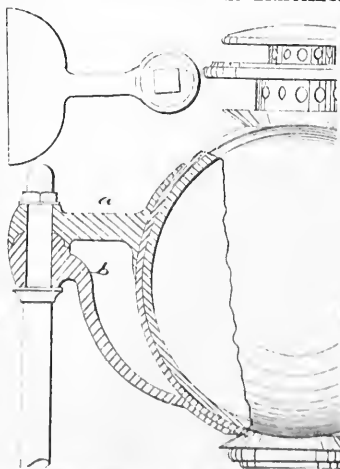
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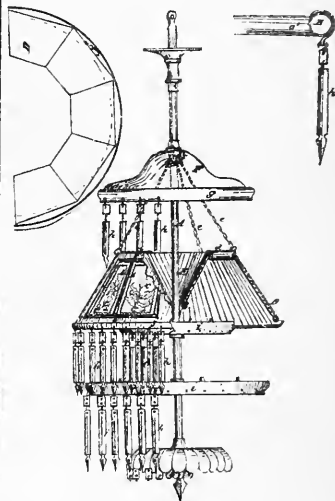
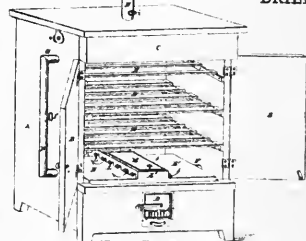
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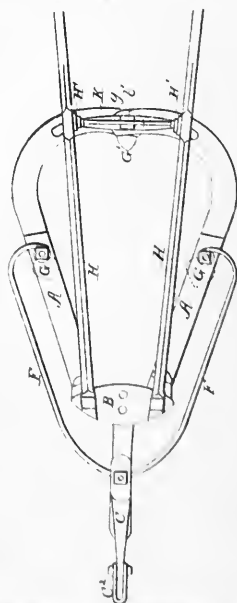
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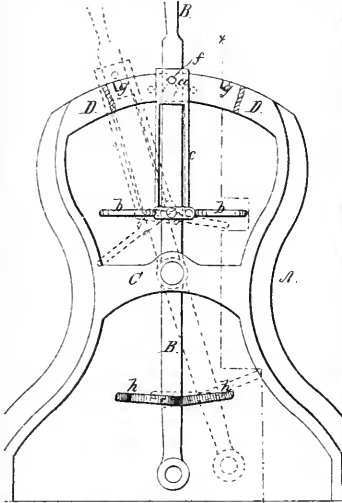


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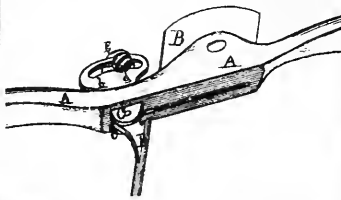
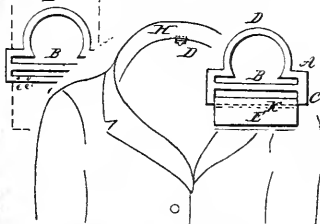
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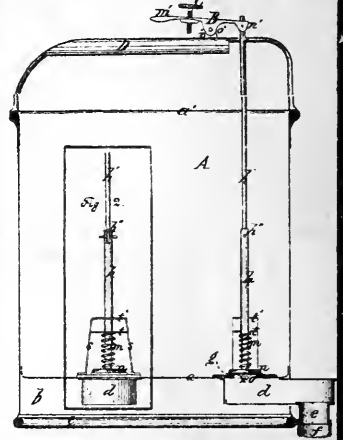
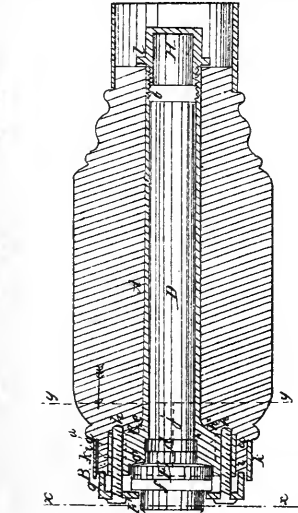


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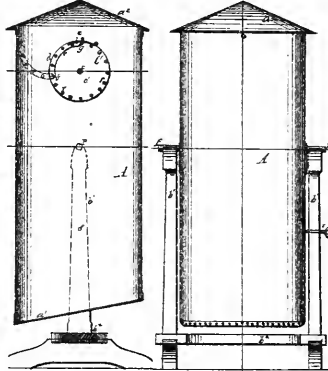
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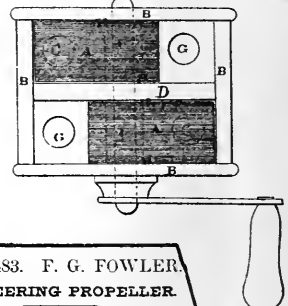
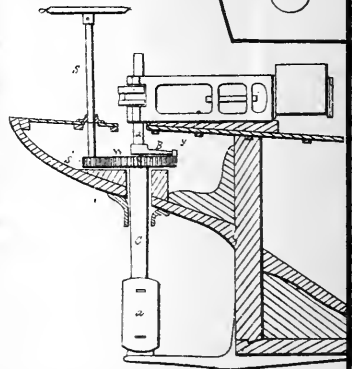
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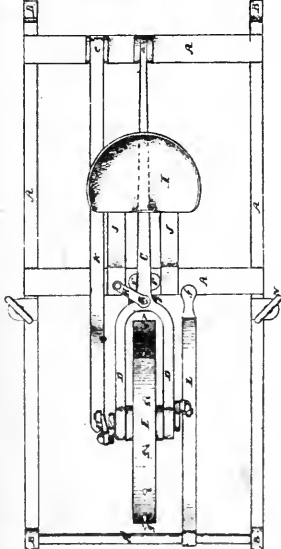
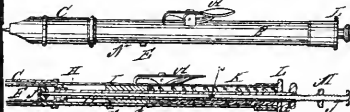
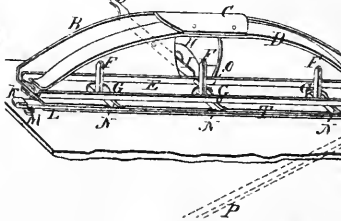
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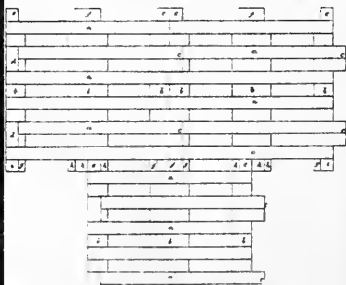
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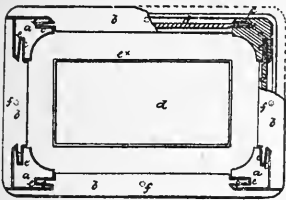
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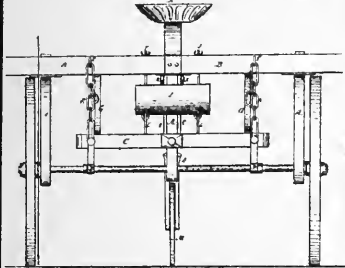
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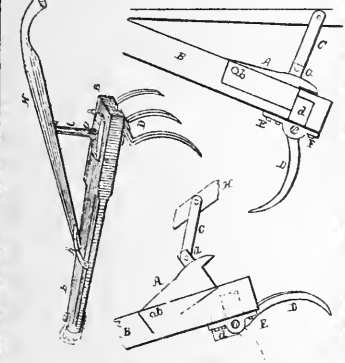
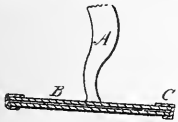


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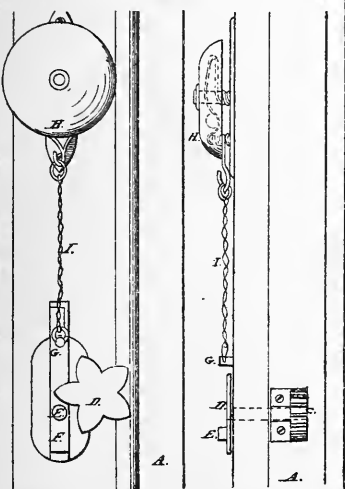
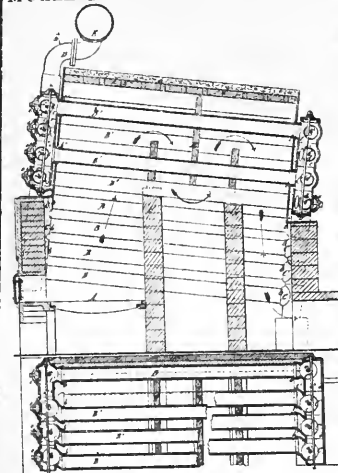
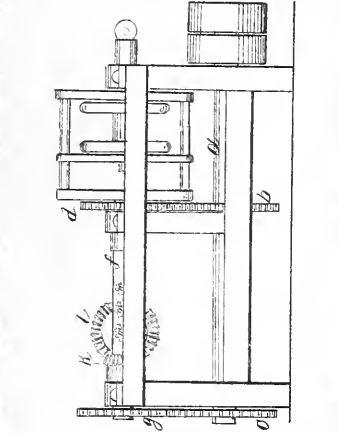
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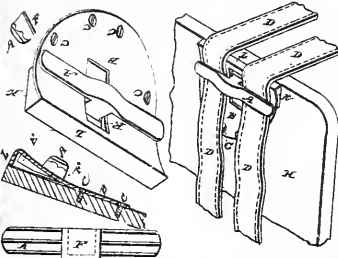
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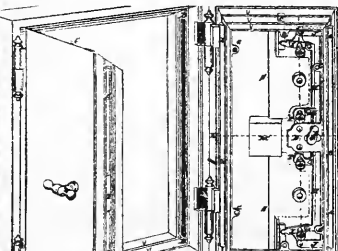
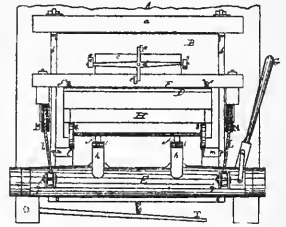
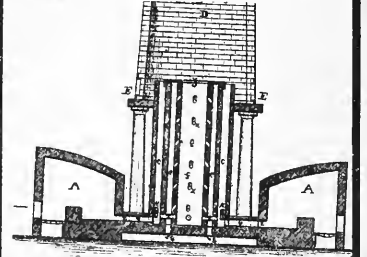
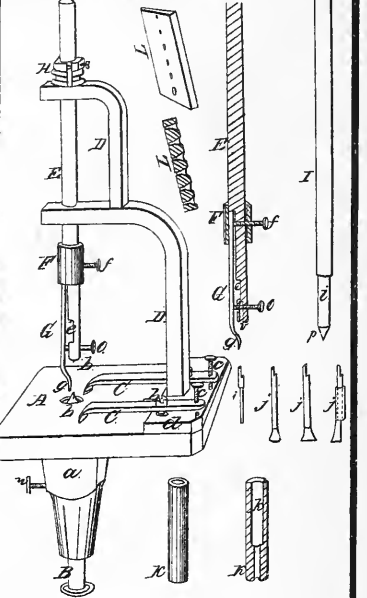
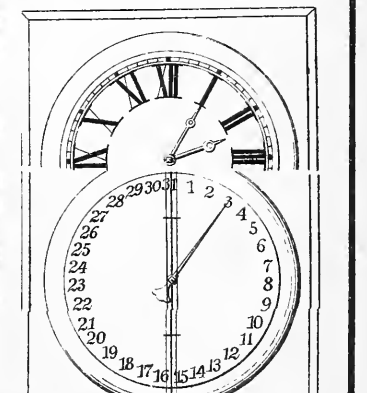
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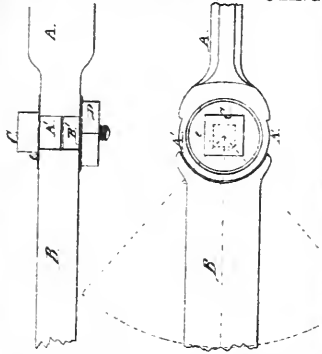
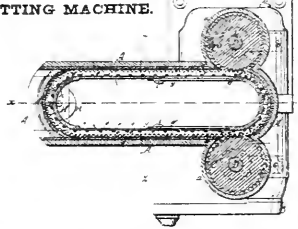


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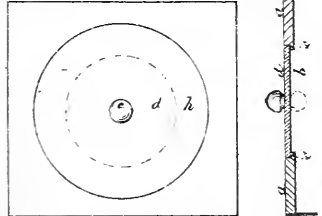
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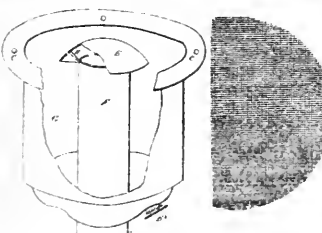
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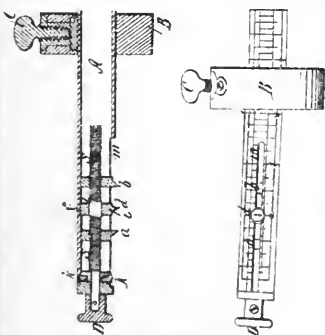
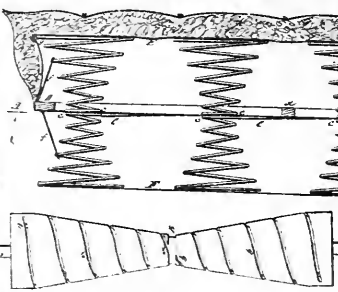
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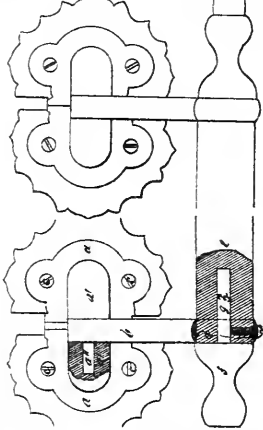
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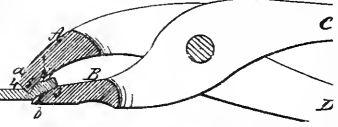
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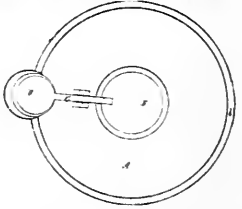
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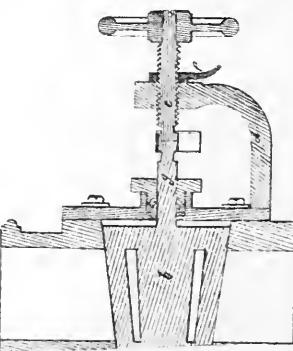
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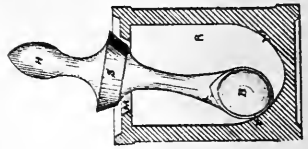
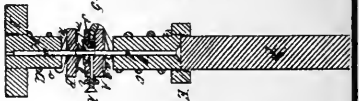
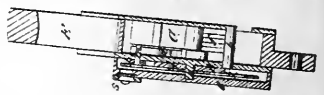
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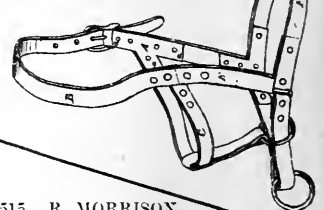
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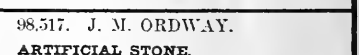
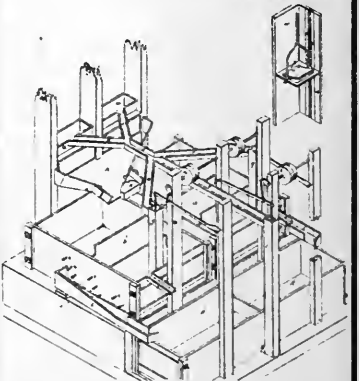
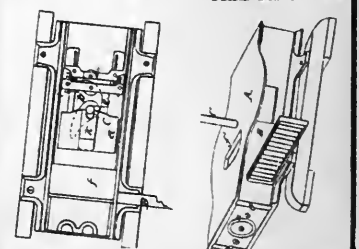
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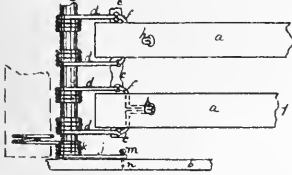


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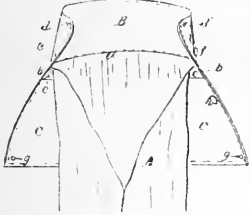
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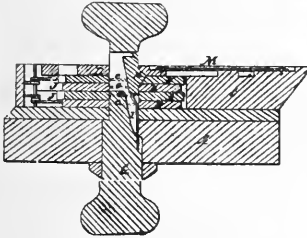


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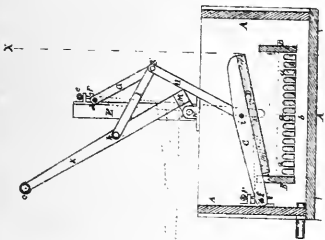
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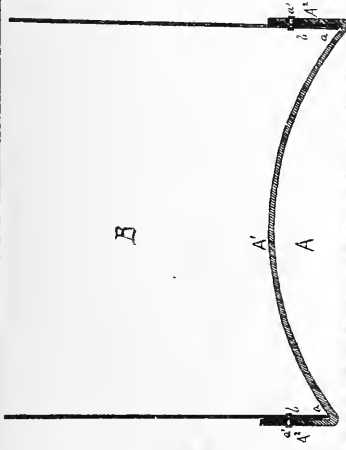
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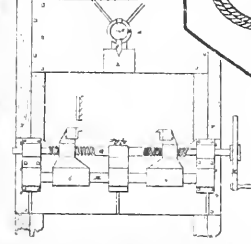
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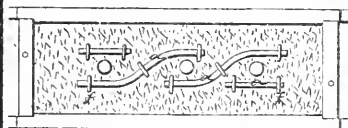
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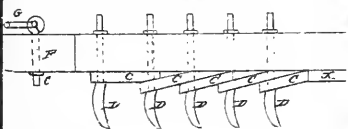
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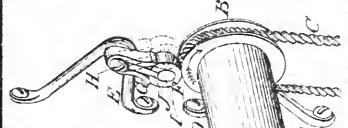
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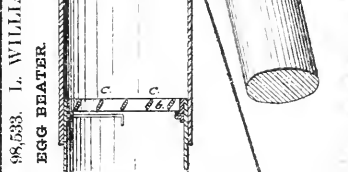


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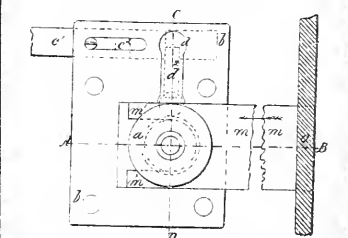
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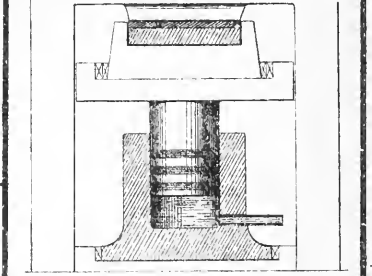
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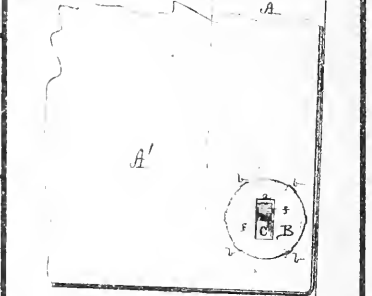
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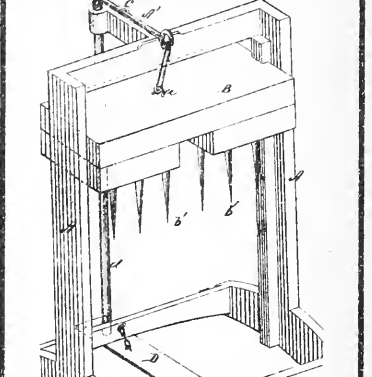
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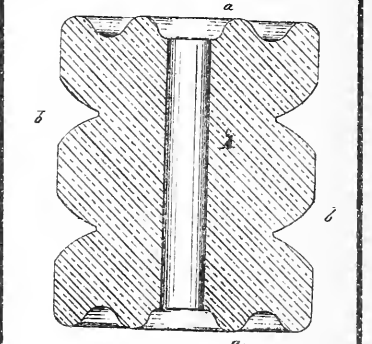
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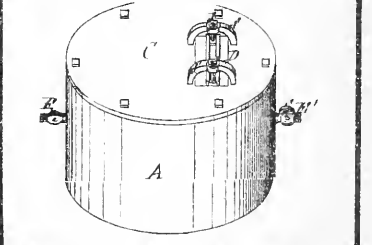
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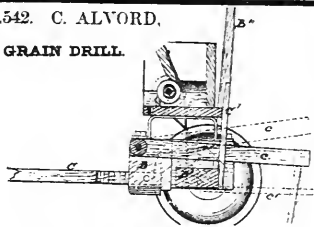


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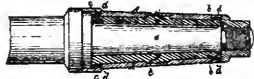


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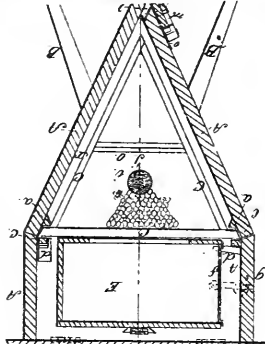
GRAIN DRILL.



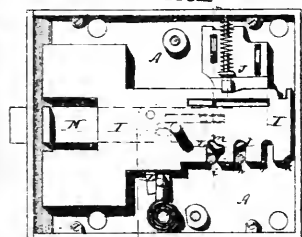
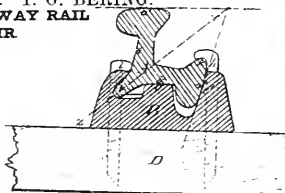
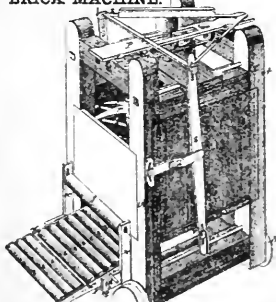
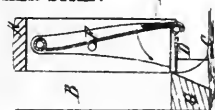
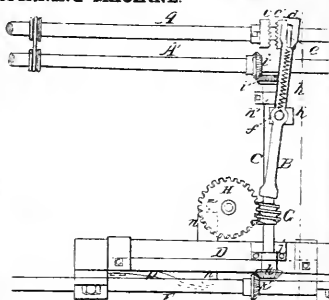
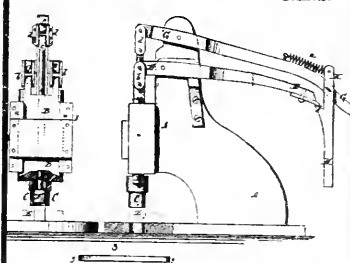
98,543. BAKER AND ENNIS. AXLE BOX.



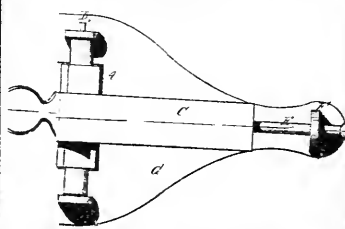
98,544. BARBER AND WOLF. BEE HIVE.



98,545. L. BEER. LOCK.

98,546. T. G. BERING.  
RAILWAY RAIL  
CHAIR.98,547. BISHOP AND AGNEW.  
BRICK MACHINE.98,548. BLISS AND DAVENPORT.  
WEATHER STRIP.98,549. BOTTOMLEY AND GREENWOOD.  
SPINNING MACHINE.98,550. R. BRADY. CUTTING AND  
PRESSING HEADS OF METAL CANS.

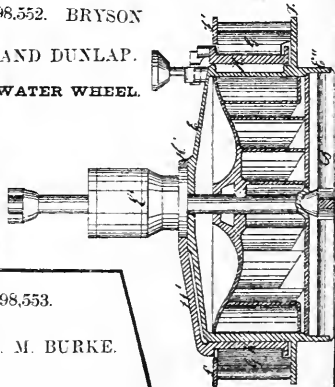
98,551. W. BROWN. HONE.



98,552. BRYSON

AND DUNLAP.

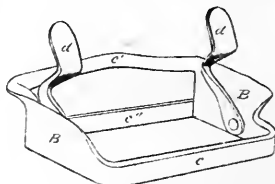
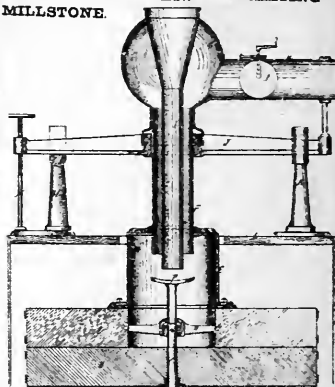
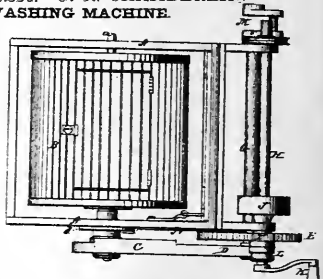
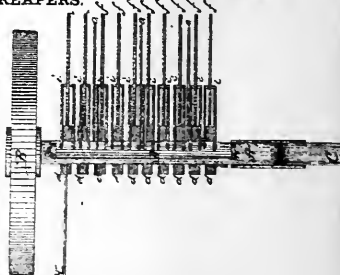
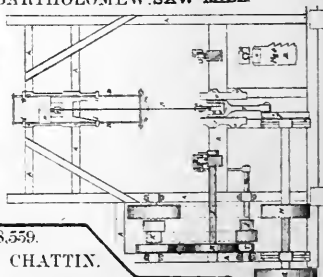
WATER WHEEL.



98,553.

J. M. BURKE.

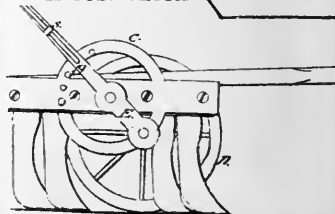
BAG HOLDER.

98,554. CALL AND GRIFFIN.  
MEDICAL COMPOUND.98,555. C. CERISIER. VENTILATING  
MILLSTONE.98,556. G. F. CHAMBERLIN.  
WASHING MACHINE.98,557. M. C. CHAMBERLIN AND  
A. CLAWSON.  
CLEANER OR RAKE ATTACHMENT FOR  
REAPERS.98,558. CHANDLER AND  
BARTHOLOMEW. SAW MILL.98,559.  
J. CHATTIN.

SCAFFOLD BRACKET.

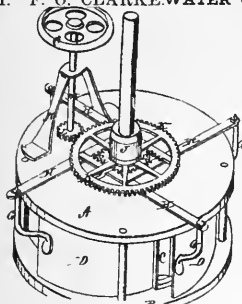
98,560.  
A. L. CHUBB.

WHEEL CULTIVATOR.

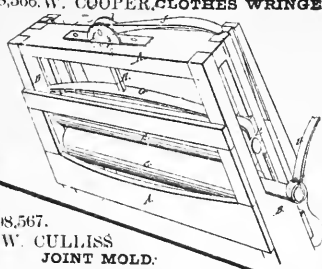




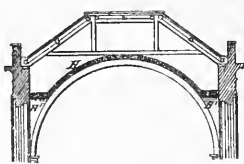
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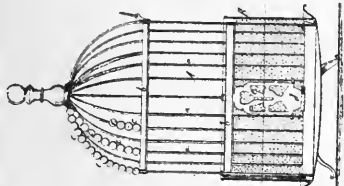
98,568. W. COOPER. CLOTHES WRINGER.



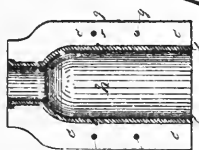
98,571. C. C. DENNETT. CONCRETE ARCH FOR BUILDINGS.



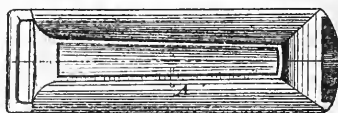
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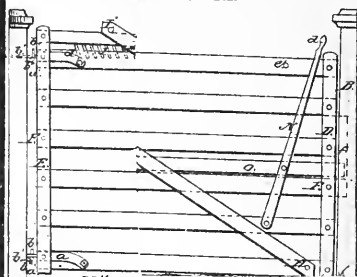
98,567. W. CULLISS. JOINT MOLD.



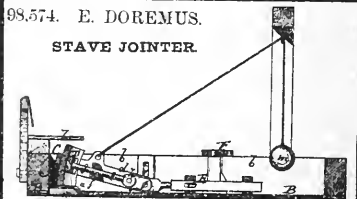
98,572. N. DICE. BUCKLE.



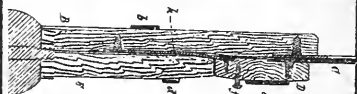
98,573. DICKASON AND CULP. FARM GATE.



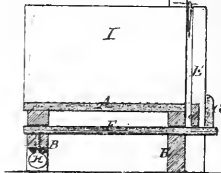
98,574. E. DOREMUS. STAVE JOINTER.



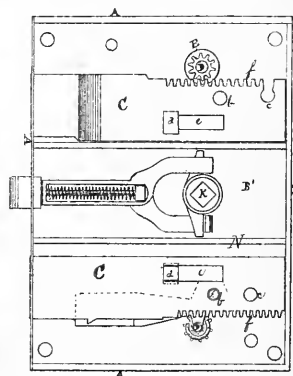
98,575. W. M. DOTY. PRUNING HOOK.



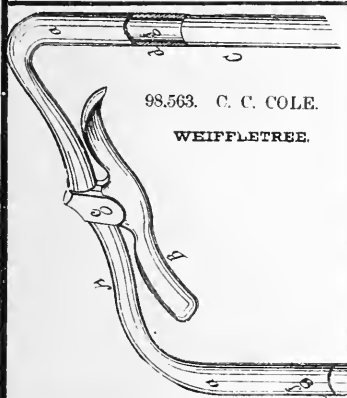
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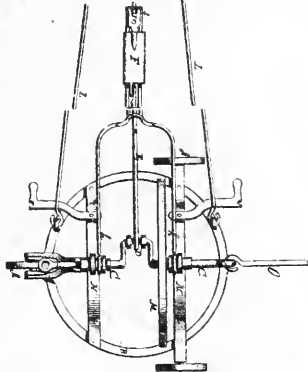
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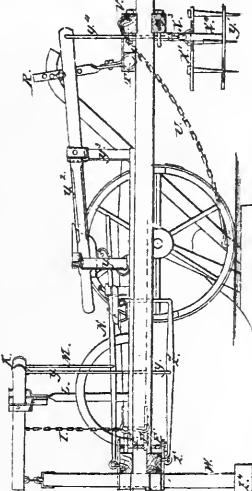
98,563. C. C. COLE. WEIFFLE TREE.



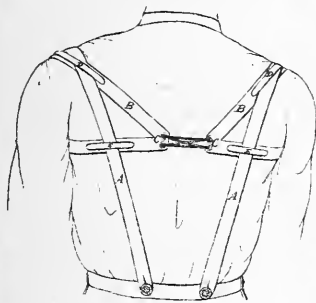
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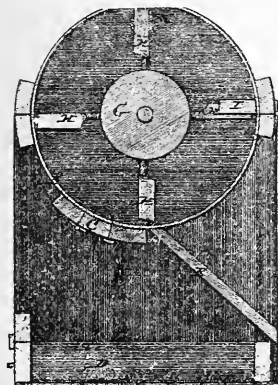
98,569. A. CUNNINGHAM. WHEEL PLOW.



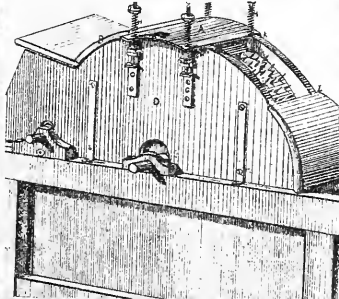
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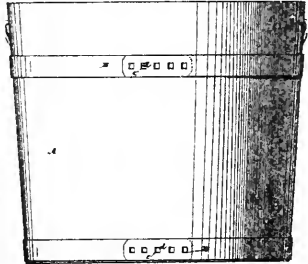
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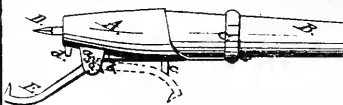
98,570. C. I. DEAN. PICKER GUARD.



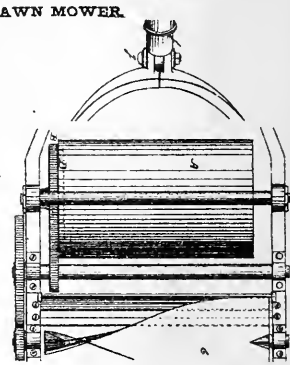
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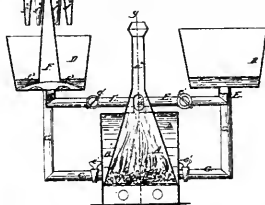
98,584. W. Q. GREELY. CANT HOOK.



98,590. H. W. HARKNESS. LAWN MOWER.



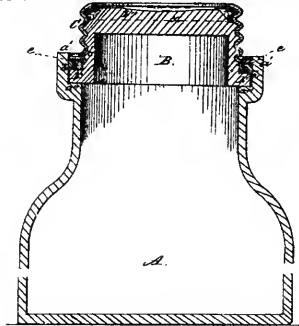
98,585. J. T. GROSE. WASHING APPARATUS.



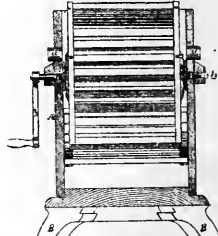
98,579. G. H. FOX. BREECH LOADER.



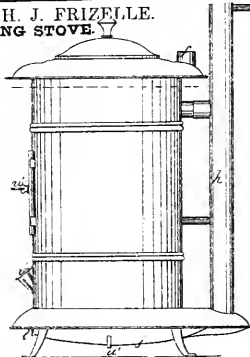
98,586. W. L. HALLER. FRUIT JAR.



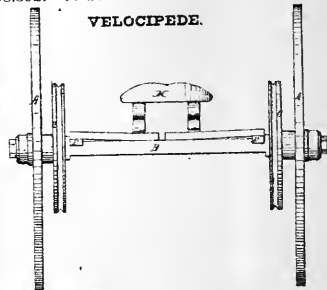
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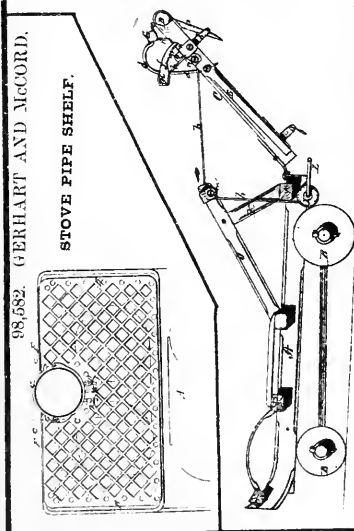
98,580. H. J. FRIZELLE. HEATING STOVE.



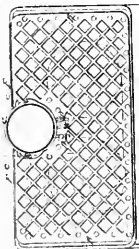
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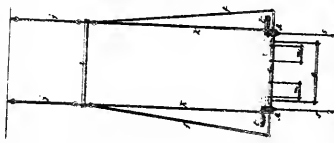
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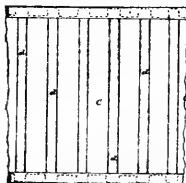
98,582. GERHART AND McCORD. STOVE PIPE SHELF.



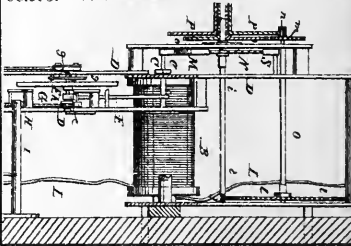
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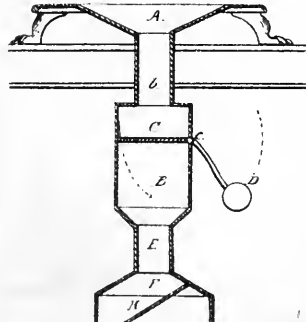
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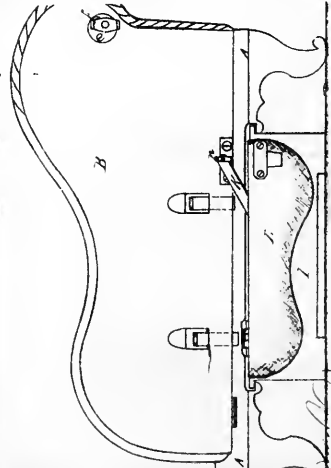
98,593. V. HIMMER. ELECTRIC CLOCK.



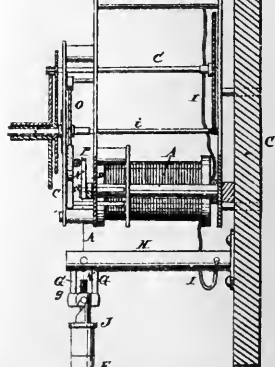
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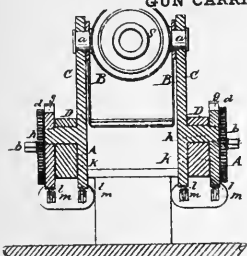


98,589. A. HANSEN. BED LOUNGE.

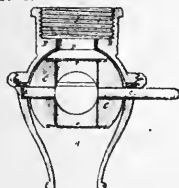


98,594. V. HIMMER. ELECTRIC CLOCK.

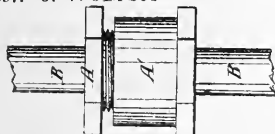


98,595. J. C. HOUEL  
AND F. L. F. CAILLET.  
GUN CARRIAGE.

98,596. T. S. HUDSON. FILTER.



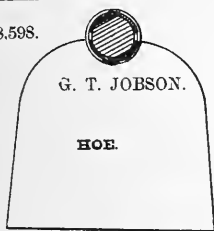
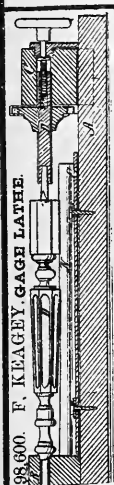
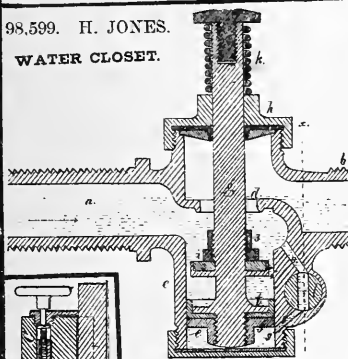
98,597. J. V. JEPSON PIPE COUPLING.



98,598.

G. T. JOBSON.

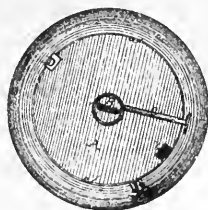
HOE.

98,599. H. JONES.  
WATER CLOSET.

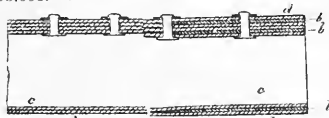
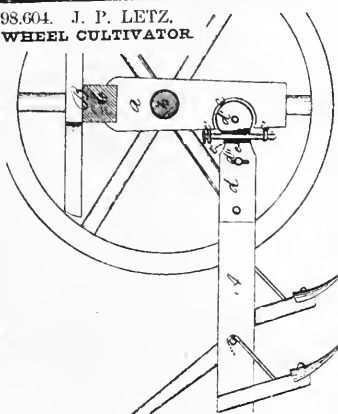
98,600. F. KEAGEY GAGE LATHE.

98,601. KIMBALL AND HEBARD.  
WINDOW SCREEN.

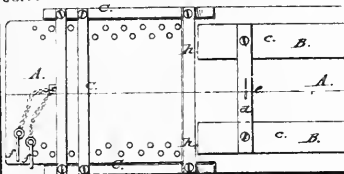
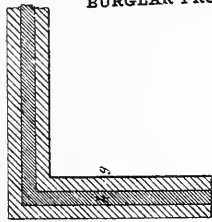
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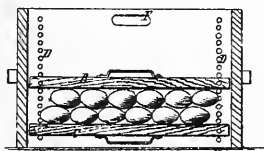
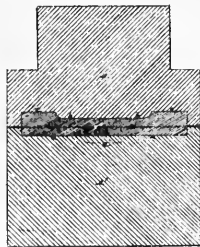
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98,604. J. P. LETZ.  
WHEEL CULTIVATOR.

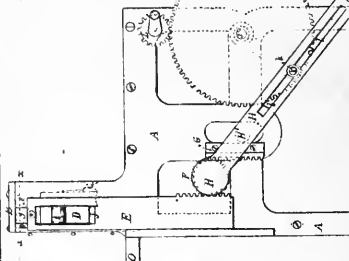
98,605. S. P. LOOMIS. SCAFFOLD.

98,606. W. J. LYND.  
PROCESS OF PREPARING COAL FOR  
SMELTING ORE.98,607. W. J. LYND. COAL FOR  
METALLURGICAL OPERATIONS.98,608. W. K. MARVIN.  
BURGLAR PROOF SAFE.

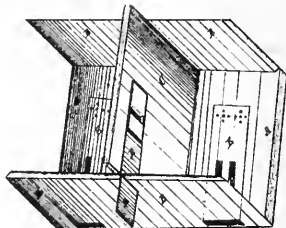
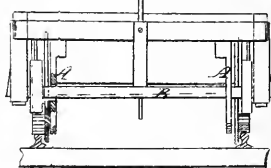
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98,610. R. R. MILLER.  
FORGING CARRIAGE SHACKLES.

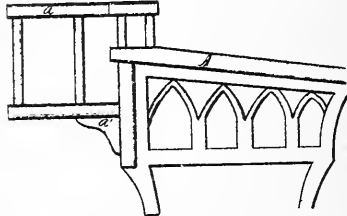
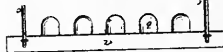
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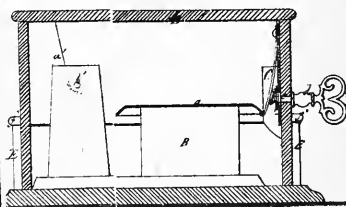
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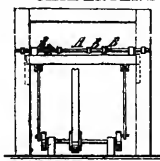
98,613. MORRIS AND FRANKLIN.  
TRACK CLEARER.

98,614. G. MUNGER. DESK.

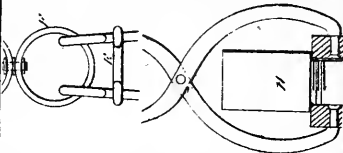
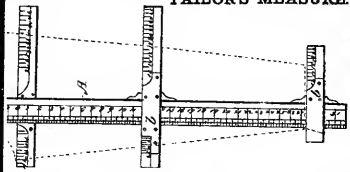
98,615. MURDOCK AND HAYNES.  
CONFECTIONER'S TOOL.

98,616. H. A. NAUEN. LOCK.

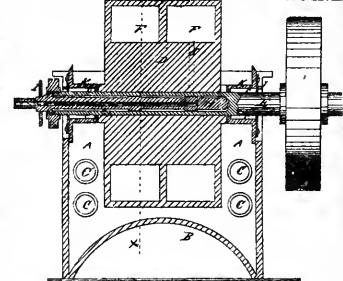
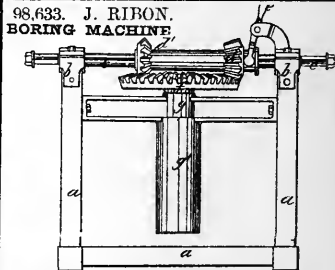


98,617. G. M. NICKASON.  
CARPENTER'S MARKER.

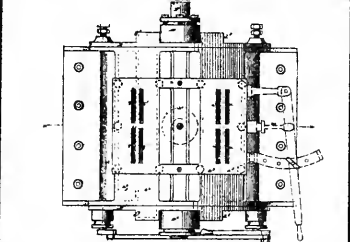
98,625. D. PHILLIPS. TUBE CLAMP.

98,632. G. M. RHOADES.  
MECHANICAL GEARING.98,618. I. J. ORDWAY.  
TAILOR'S MEASURE.

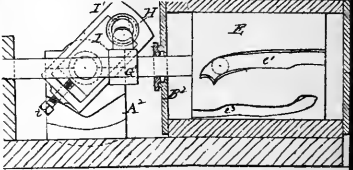
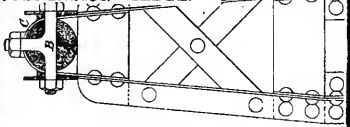
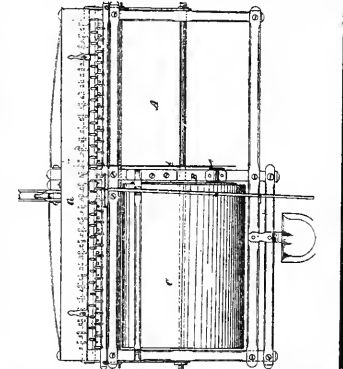
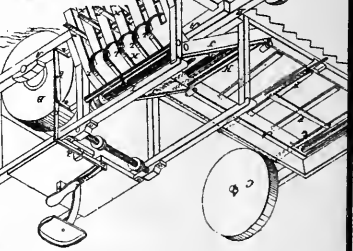
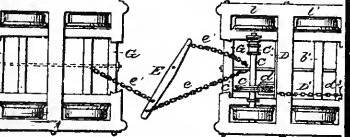
98,626. G. H. POND. ROTARY ENGINE.

98,633. J. RIBON.  
BORING MACHINE.

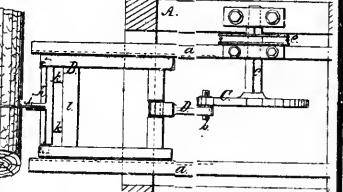
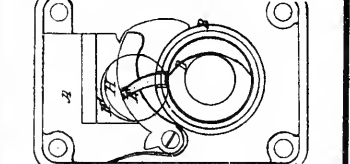
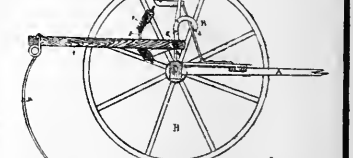
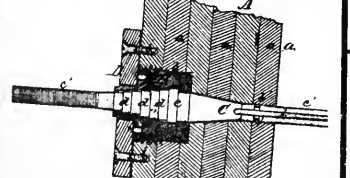
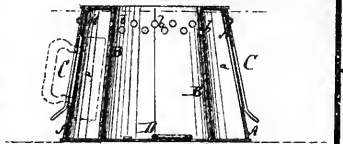
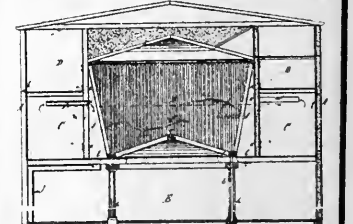
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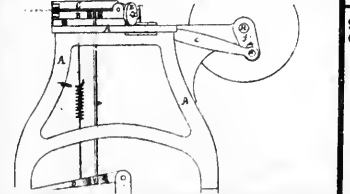
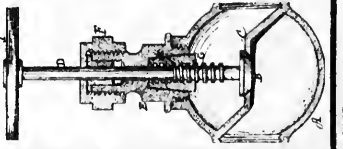
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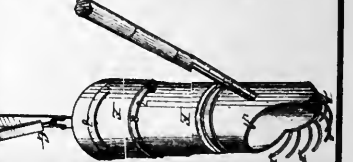
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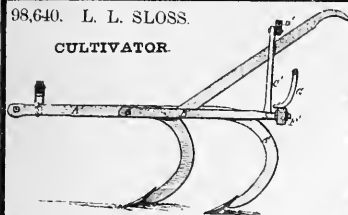
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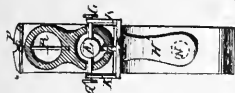
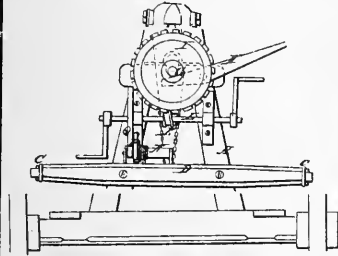
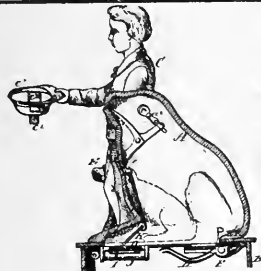
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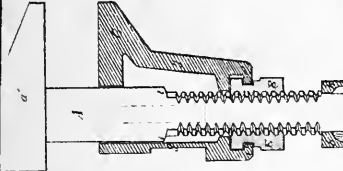
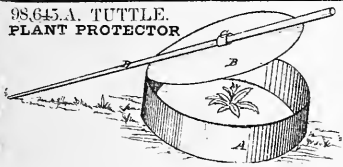


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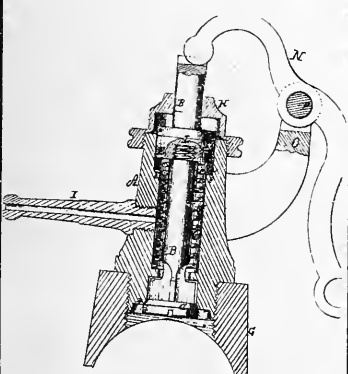
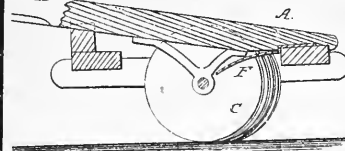
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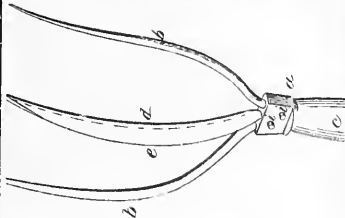
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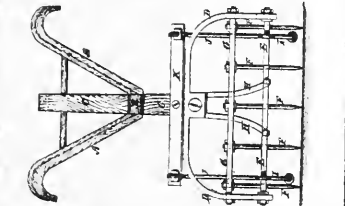
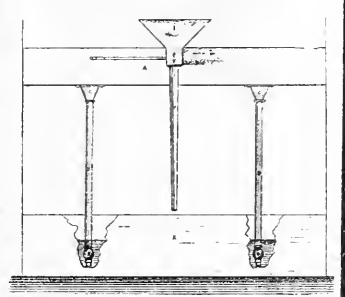
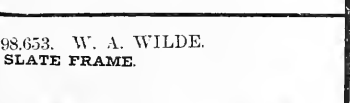
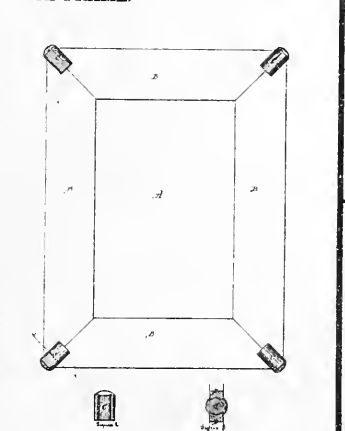
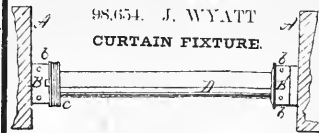
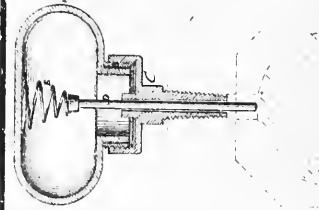
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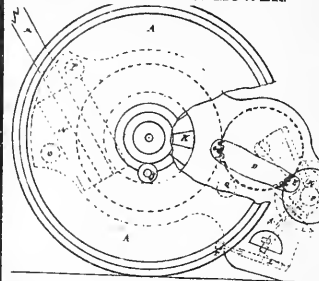
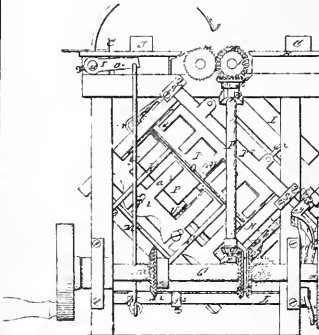
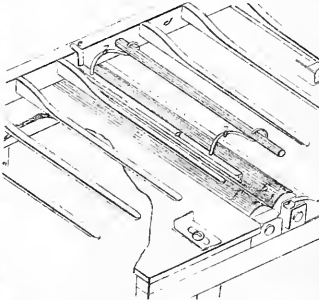
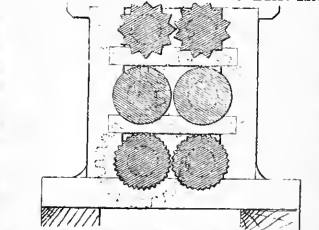
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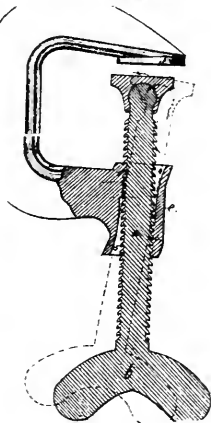
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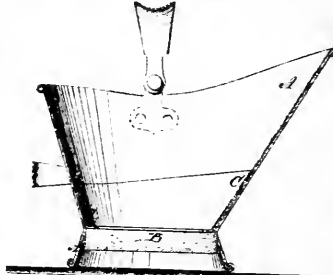
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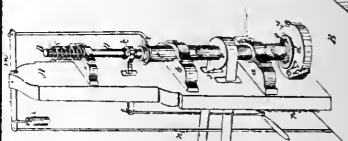


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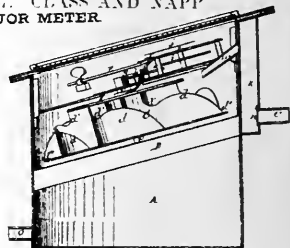


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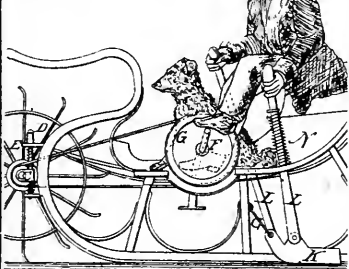


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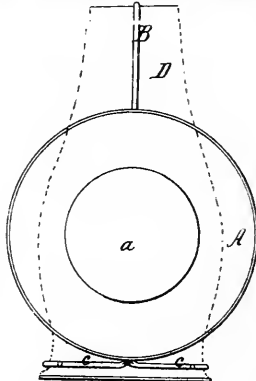


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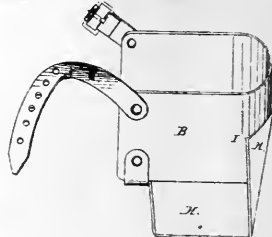
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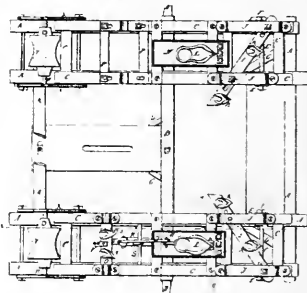
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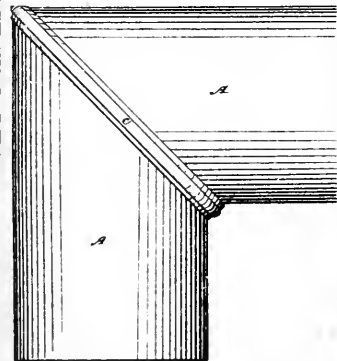


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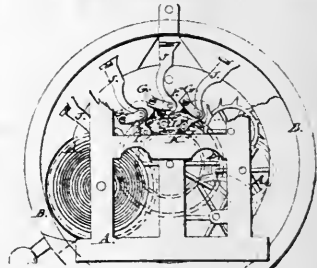


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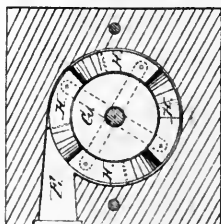
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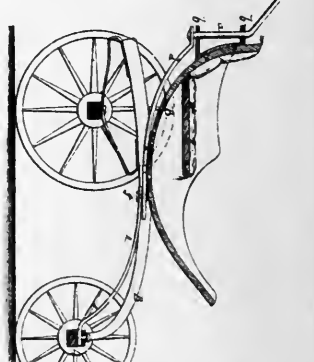
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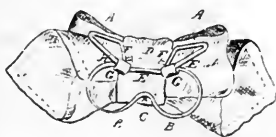
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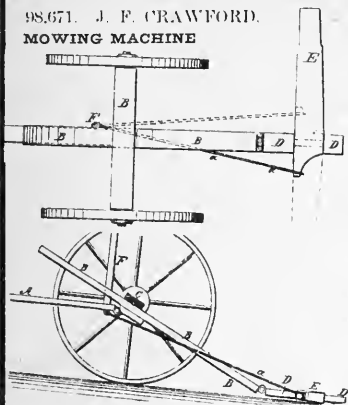
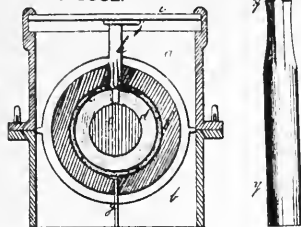


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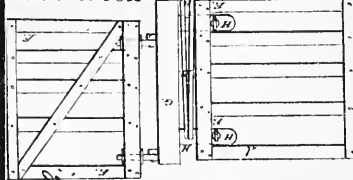
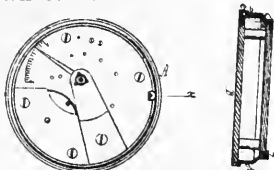


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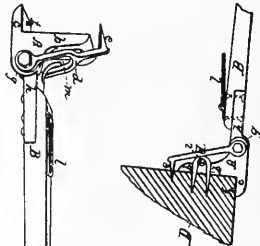
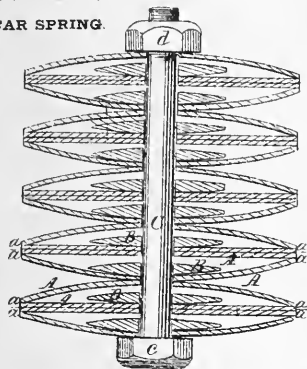
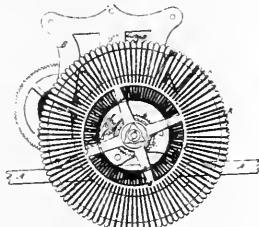


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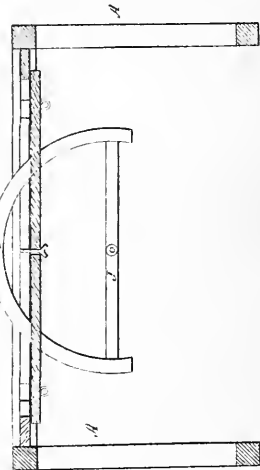
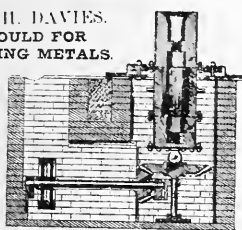
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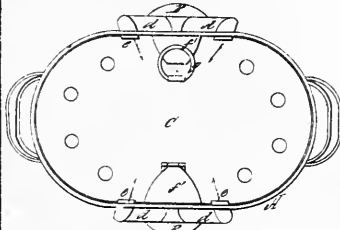
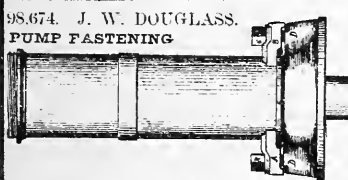
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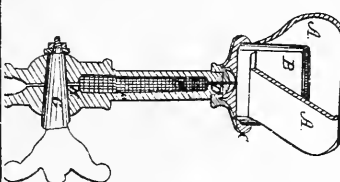
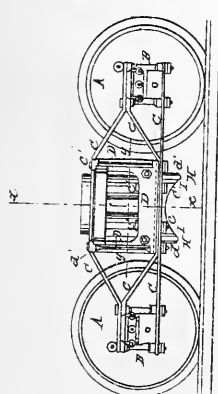
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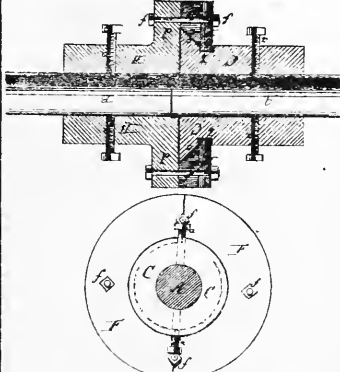
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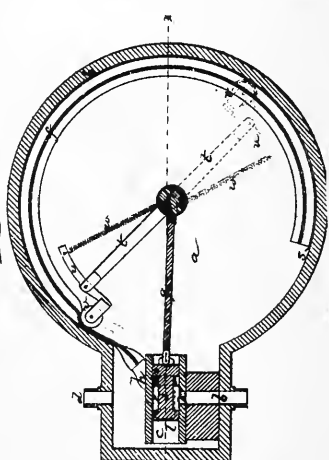
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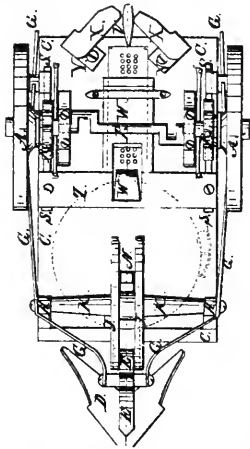
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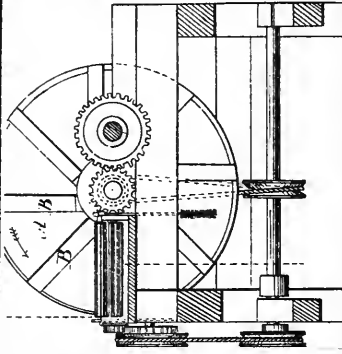


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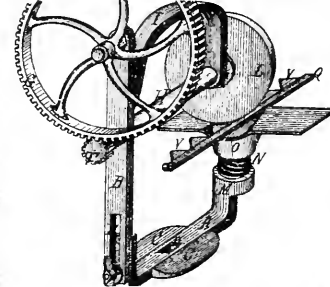
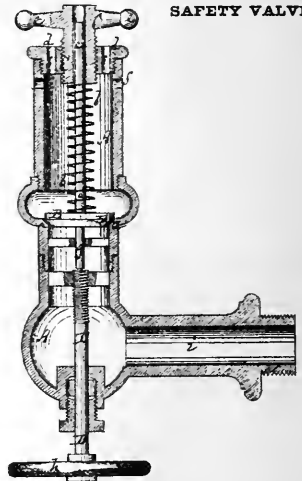


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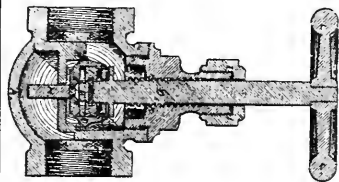
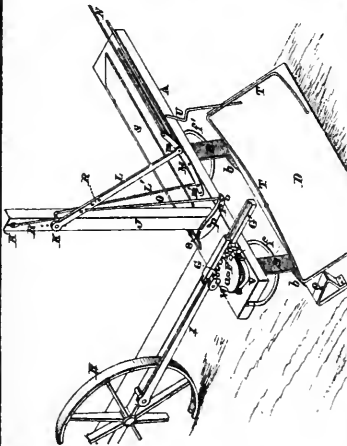
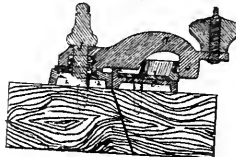
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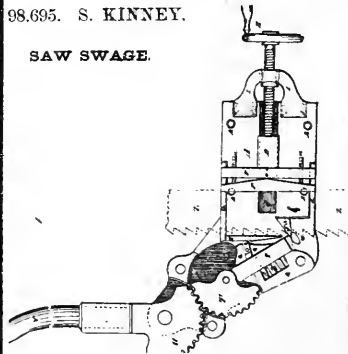
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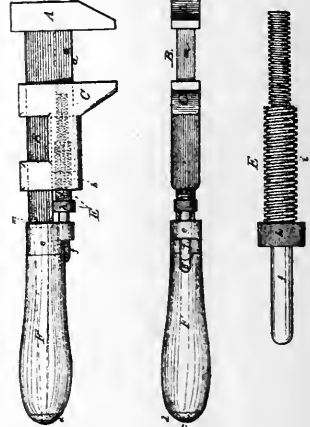
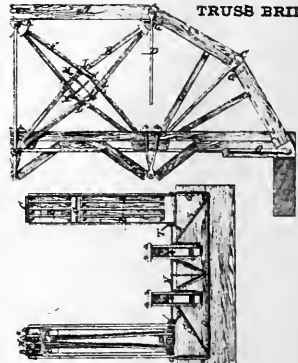
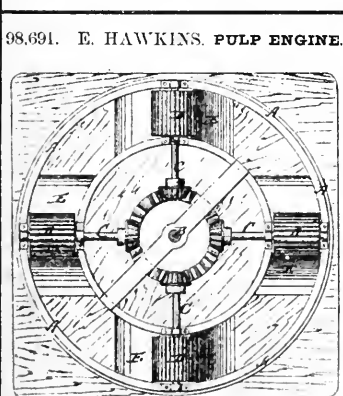
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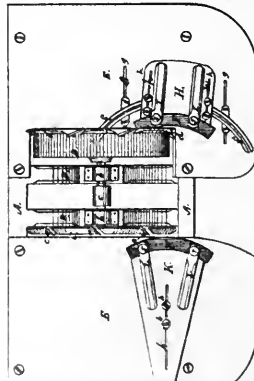
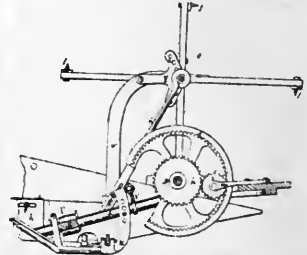


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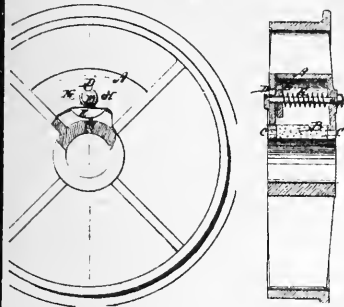
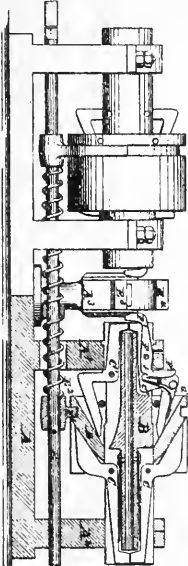
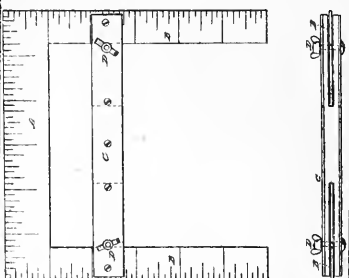
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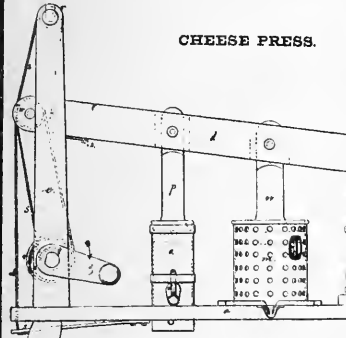
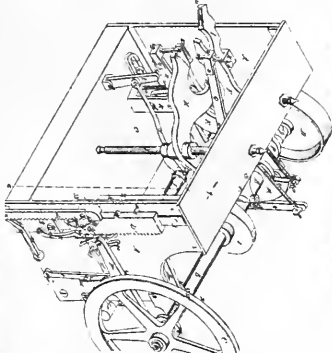
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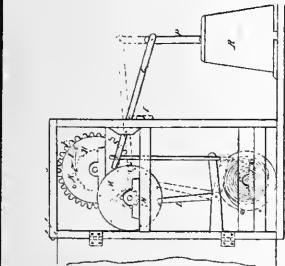
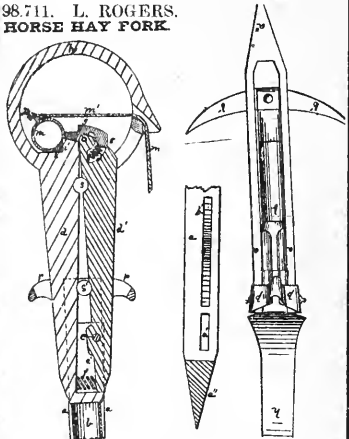
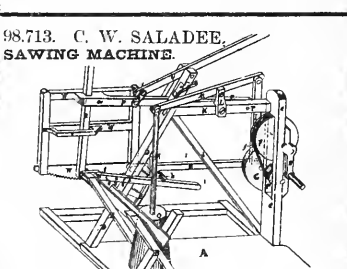
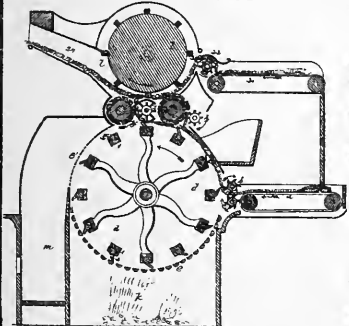
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MAKING WIRE HEDDLES.98,710. E. H. ROBINSON.  
RULING DEVICE.

98,702. C. C. MUSSELMAN.

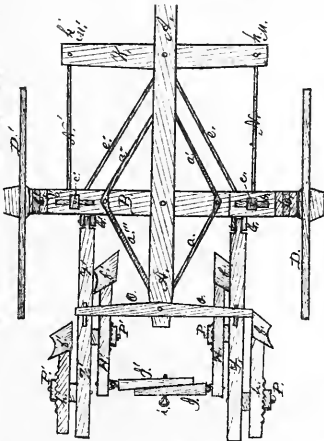
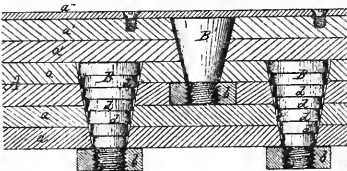
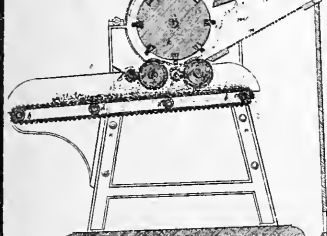
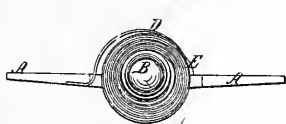
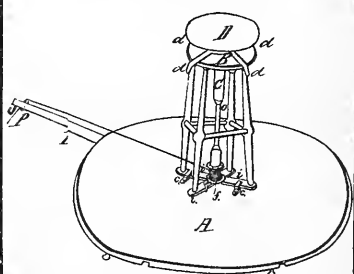
CHEESE PRESS.

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HORSESHOE NAIL MACHINE.

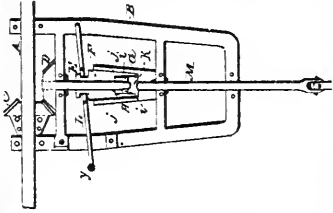
98,703. J. P. NICHOLS. CHURN.

98,711. L. ROGERS.  
HORSE HAY FORK.98,712. J. A. ROTHE. TO OBTAIN FIBRE  
FROM VEGETABLES FOR PAPER, &c.98,704. S. R. PARKHURST.  
WOOL PICKER.

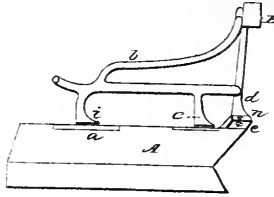
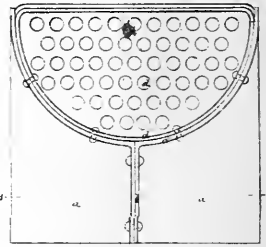
98,708. W. B. RAPER. CORN FLOW.

98,714. J. SARGENT.  
BURGLAR PROOF SAFE.98,705. S. R. PARKHURST.  
COTTON GIN.98,709. D. RENSHAW.  
SPRING HINGE.98,715. N. P. SLADE.  
CHECK FOR HORSE POWER.

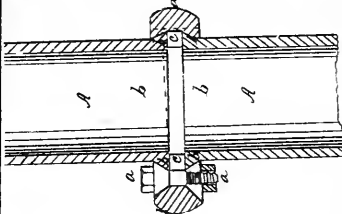
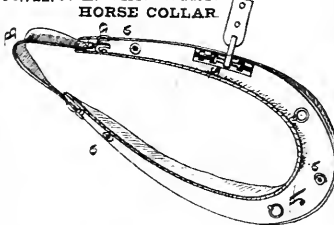
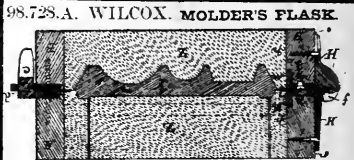
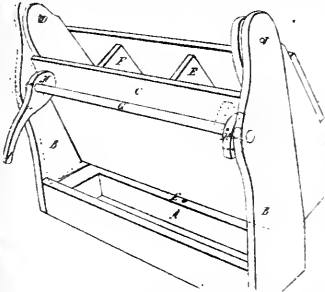
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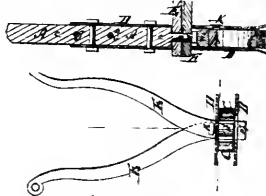
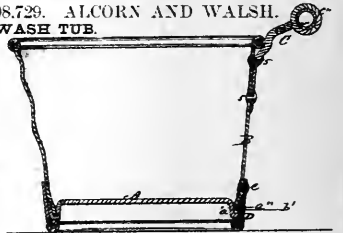
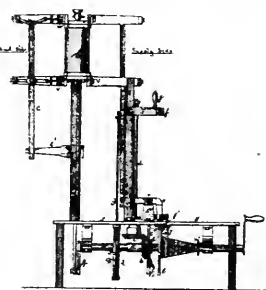
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98,726. F. W. WEBB.  
BOILER FURNACE.

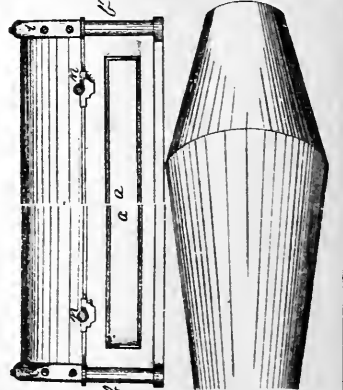
98,717. E. SMITH. PIPE COUPLING.

98,722. J. L. VAN WIRT.  
HORSE COLLAR.98,727. W. M. WELLING.  
COMPOSITION RESEMBLING HORN.98,718. N. STOCKWELL.  
APPARATUS FOR FEEDING SWINE.

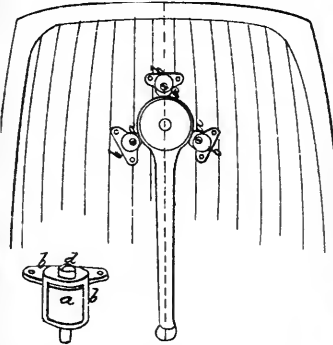
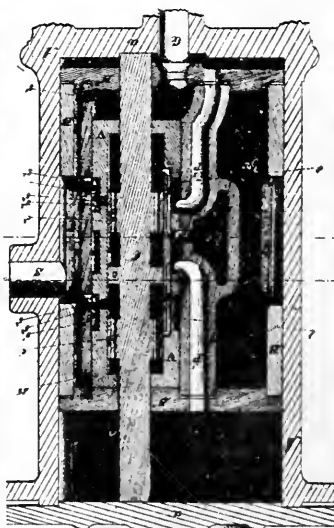
98,723. J. B. VEDDER. CAR COUPLING.

98,729. ALCORN AND WALSH.  
WASH TUB.98,724. C. W. WAILEY.  
CUT-OFF VALVE GEAR.

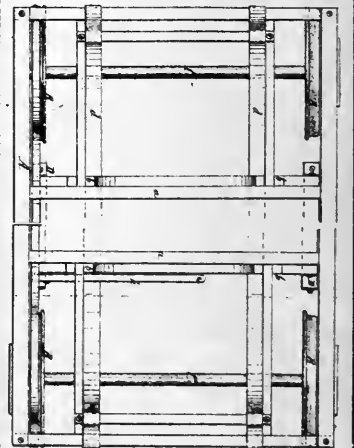
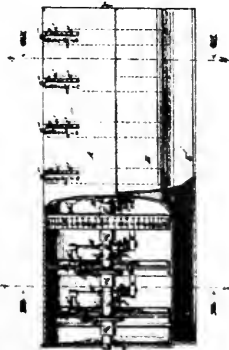
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98,719. R. C. STURGES. STEERING.

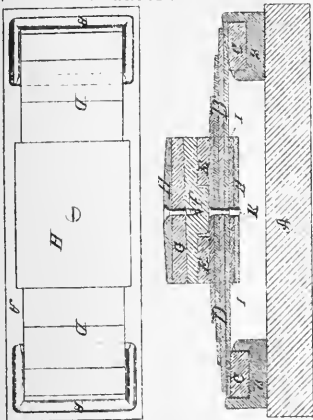
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SLIDE VALVE.

98,731. A. M. ALLEN. CAR BRAKE.

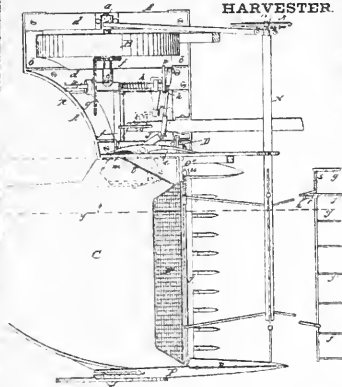
98,720. E. A. SWAIN.  
ADDING MACHINE.



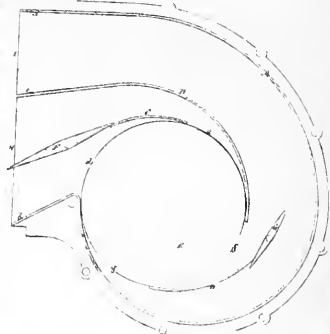
98,732. T. F. ALLYN. CAR SPRING.



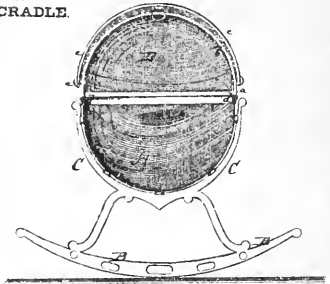
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98,741. J. CHASE. WATER WHEEL.



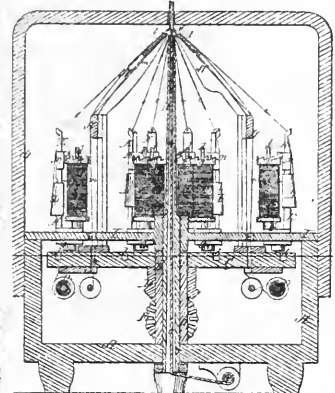
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98,733. S. A. BARKER. COFFIN TRIMMING.

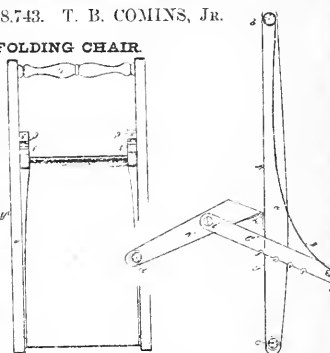


98,738. M. C. BRYANT. WEAVING MACHINE.



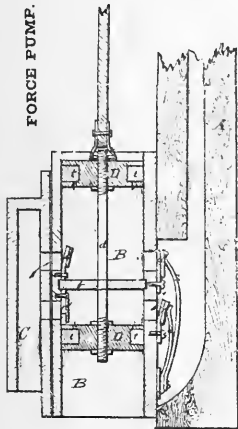
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FOLDING CHAIR.

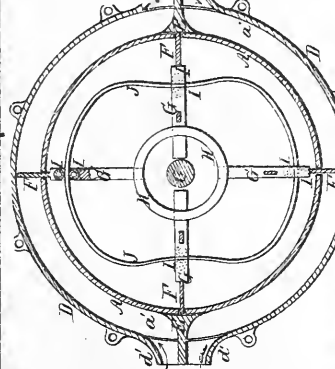


98,734. BEERS AND RAYNOR.

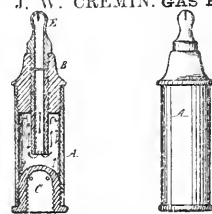
FORCE PUMP.



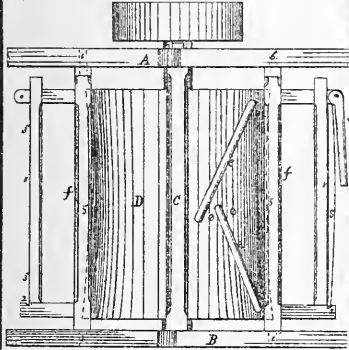
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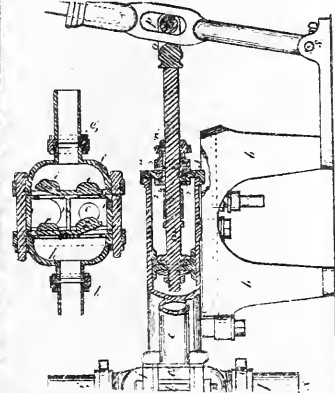
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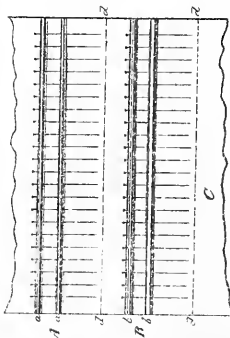
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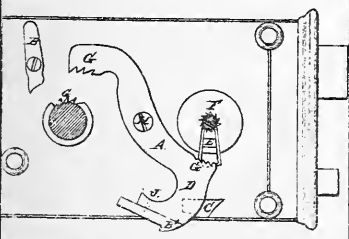
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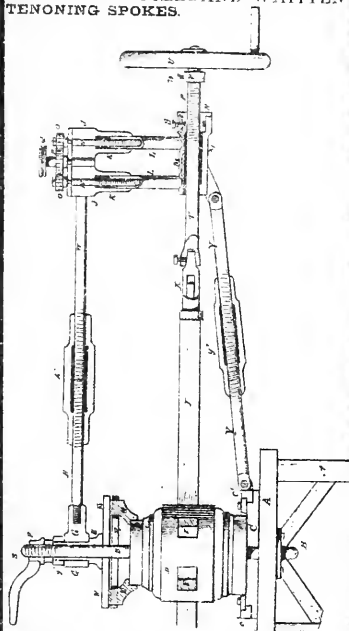


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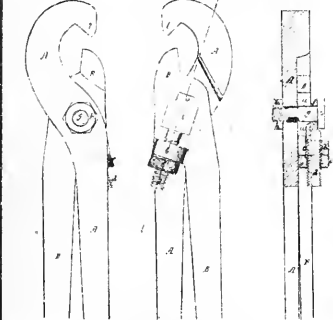


98,736. W. E. BEROLZHEIMER. KEY GUARD.

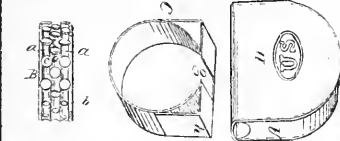


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TENONING SPOKES.

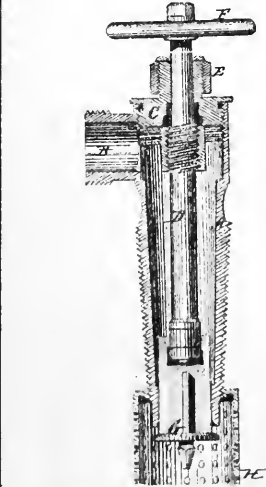
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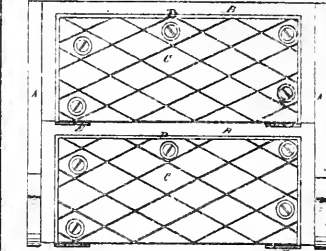
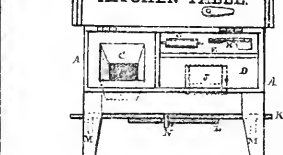
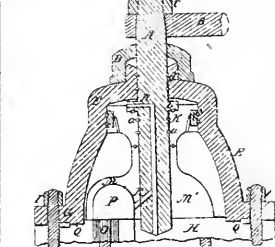
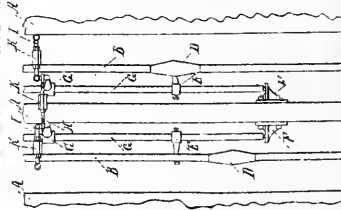
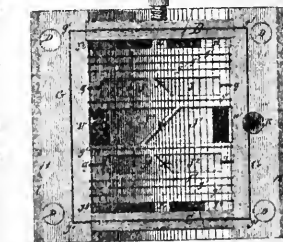
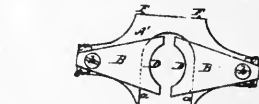
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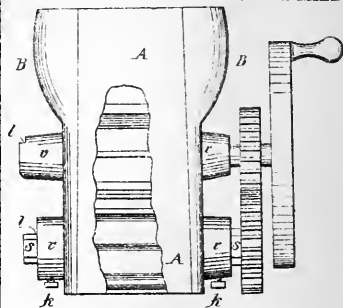
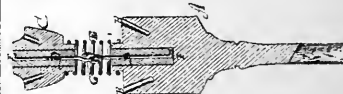
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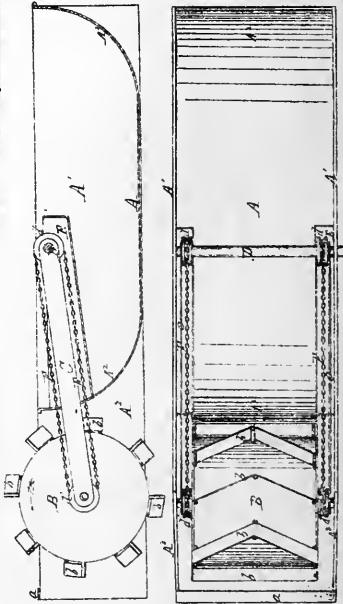
98,750. A. A. DULY. STREET CAR.

98,751. F. EHRHARDT.  
KITCHEN TABLE.98,752. W. W. FIFIELD.  
SASH CORD GUIDE.98,753. I. W. FORBES.  
ROTARY VALVE.98,754. I. W. FORBES.  
STEAM ENGINE VALVE GEAR.98,755. I. W. FORBES.  
BALANCE VALVE.98,756. FRANKLIN AND CLARK.  
BROOM HANGER.

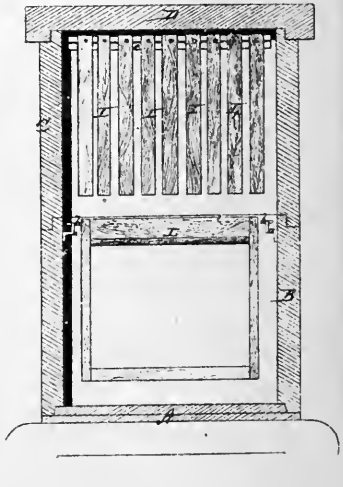
98,757. O. S. GARRETSON. CIDER MILL.

98,758. W. L. GILROY. PROCESS OF  
PRESERVING GREEN CORN.98,759. M. A. GOODENOUGH.  
FEATHER DUSTER.

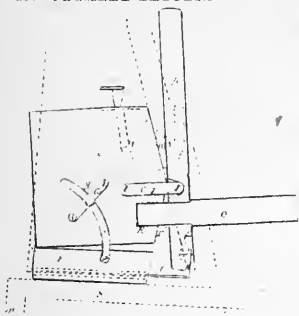
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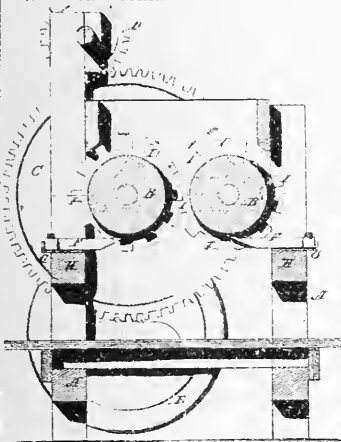
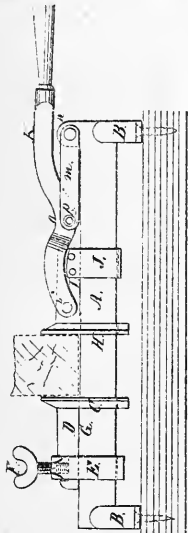
98,761. J. GOULD. BEE HIVE.



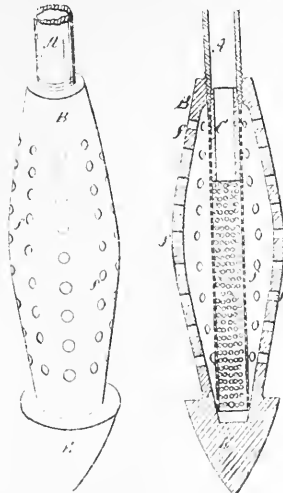


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ADJUSTABLE LETTERING BLOCK.98,763. J. HABERMEHL.  
WASHING MACHINE.

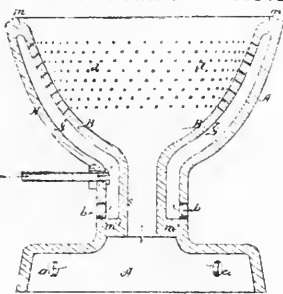
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98,765. HALL AND FARRA.  
SASH AND DOOR CLAMP.

98,766. J. HARTER. TUBULAR WELL.

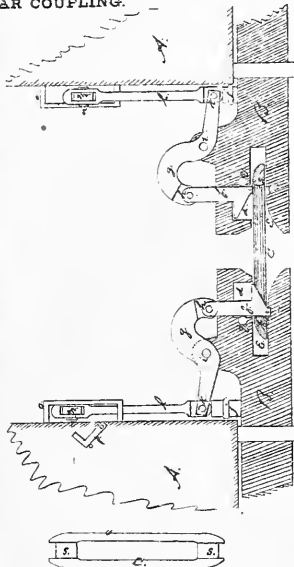
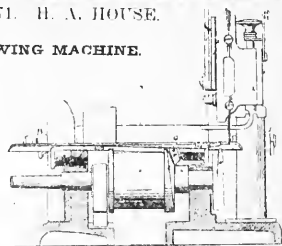


98,767. D. G. HASKINS. GAS STOVE.

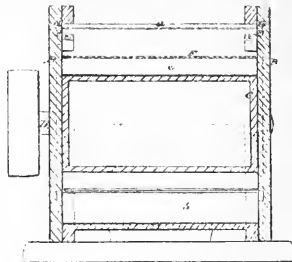
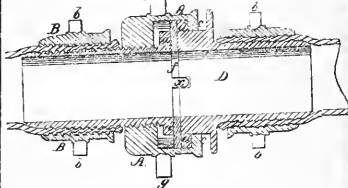


98,768. CANCELLED.

98,769. E. F. HOFMAN. PESSARY.

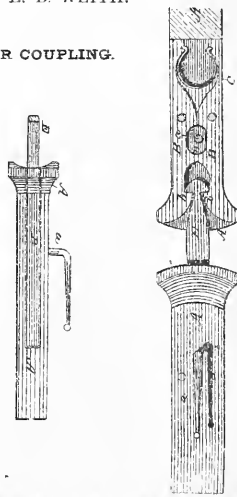
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CAR COUPLING.98,771. H. A. HOUSE.  
SEWING MACHINE.

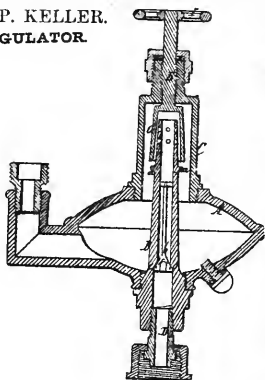
98,772. C. W. ISBELL. ROTARY PUMP.

98,773. A. P. M. JEFFERS.  
SPELLING BOX.98,774. JOHNSON AND FITZGERALD.  
HOSE COUPLING.

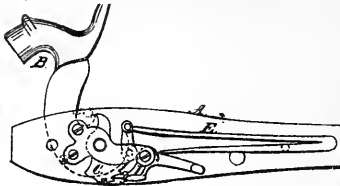
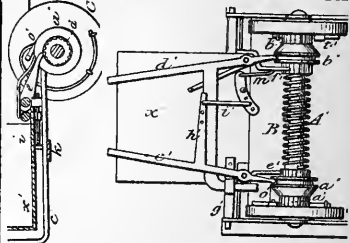
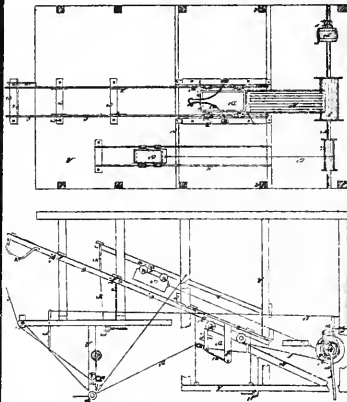
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CAR COUPLING.

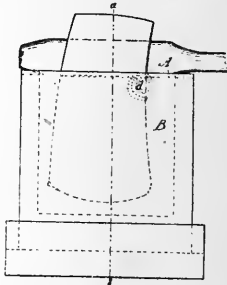
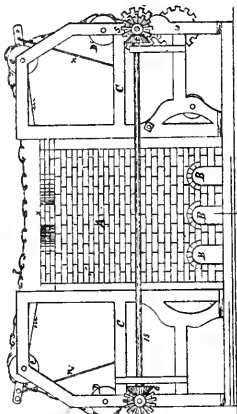


98,776. P. KELLER.  
GAS REGULATOR.

98,781. N. C. LOCK. GUN LOCK.

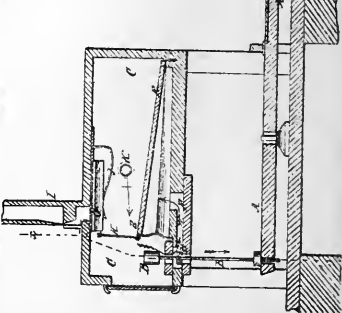
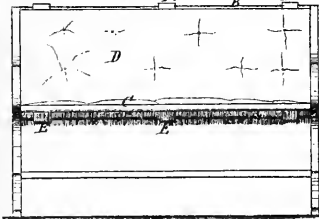
98,788. J. M. McMASTER.  
CAR BRAKE AND STARTER.98,782. J. F. LOGAN.  
COAL LOADING DEVICE.

98,789. H. D. MORRIS. MAKING AXES.

98,777. V. KELLER.  
ENAMELLING OVEN.

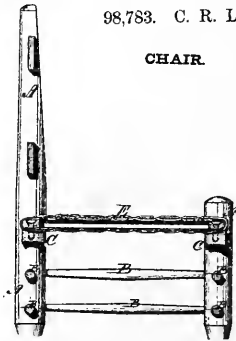
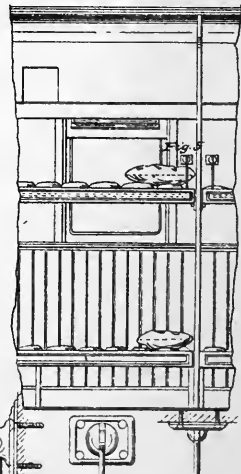
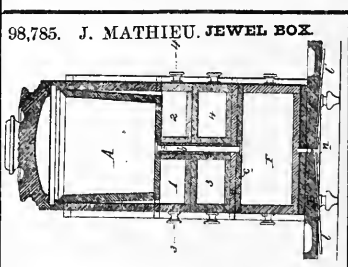
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ORGAN VALVE.

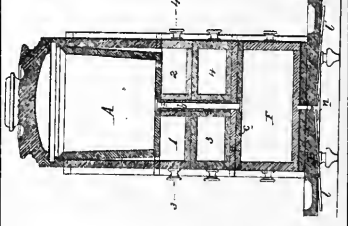
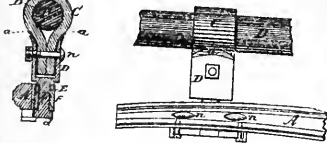
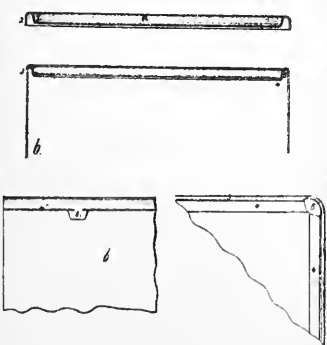
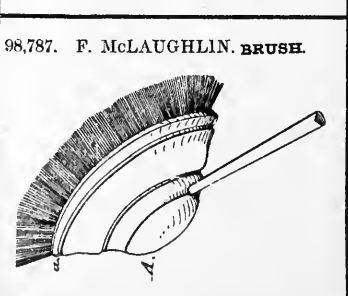
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SEAT CUSHION.

98,783. C. R. LONG.

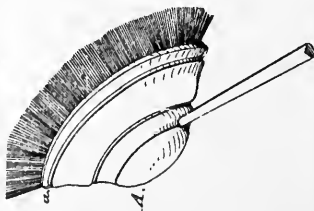
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98,791. R. NORWOOD.  
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98,785. J. MATHIEU. JEWEL BOX.

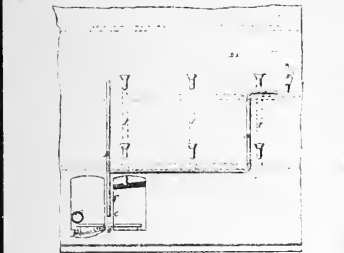
98,779. H. KILLAM.  
WHIFFLETREE COUPLING.98,780. W. M. LEWIS.  
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98,787. F. McLAUGHLIN. BRUSH.

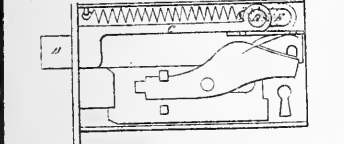


98,793. PALMER AND HOUGHTON.  
SHOE UPPER.

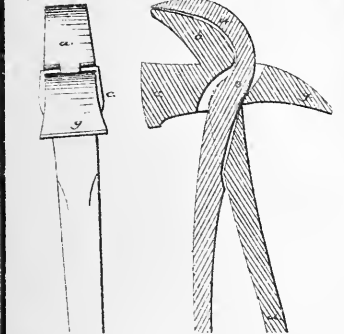
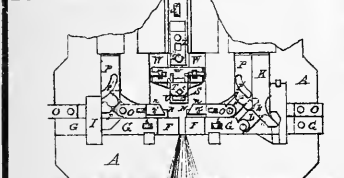
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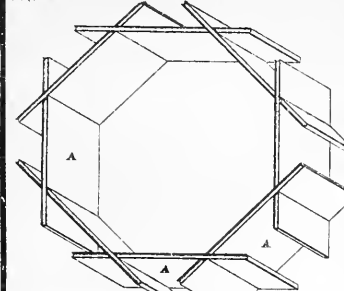
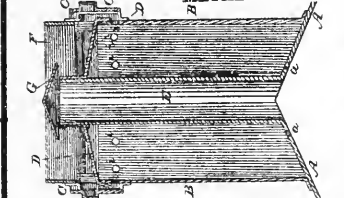
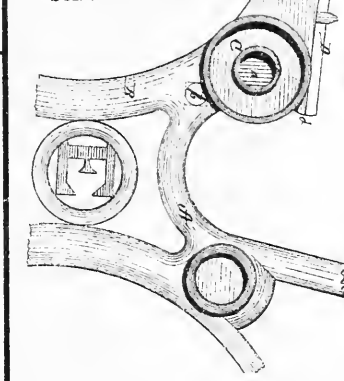
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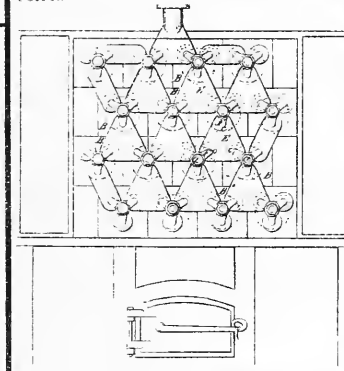
98,796. T. PILOTE. SHOEMAKER'S TOOL.

98,797. H. PLUMB.  
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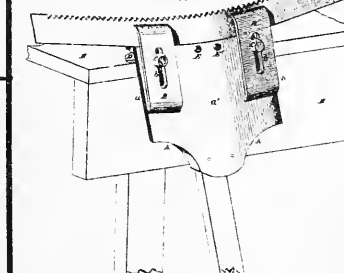
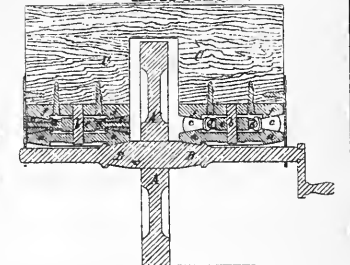
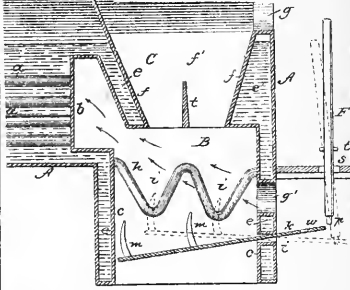
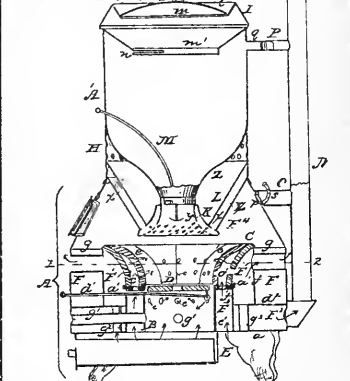
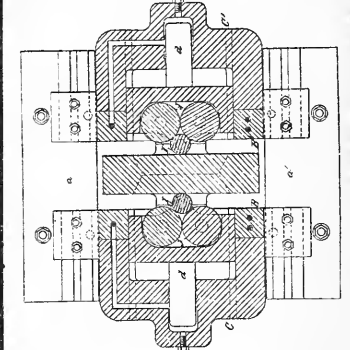
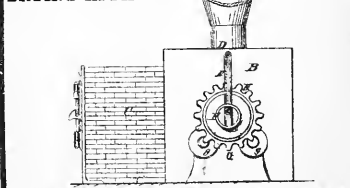
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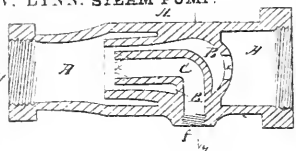
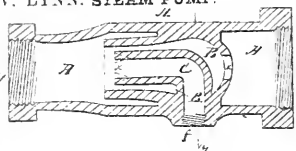
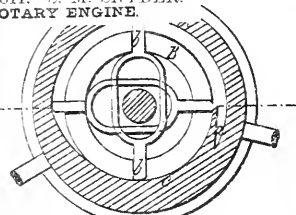
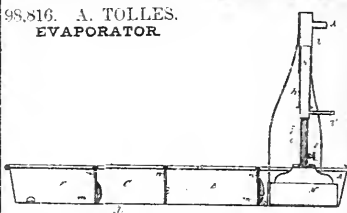
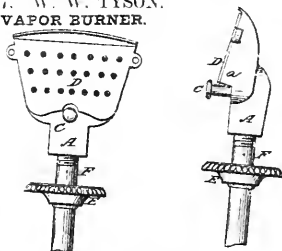
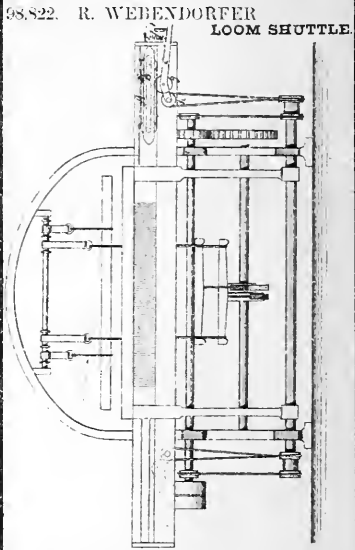
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98,802. J. B. ROOT. STEAM BOILER.

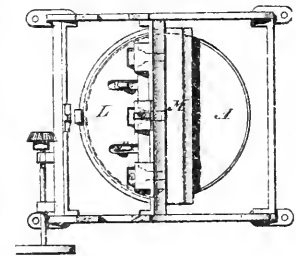


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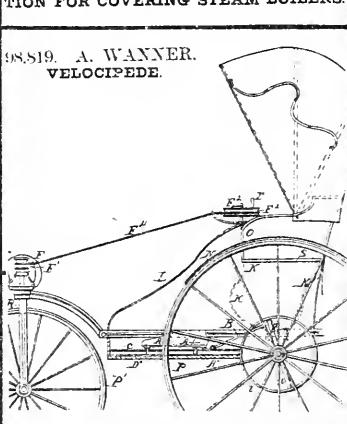
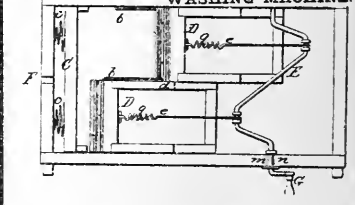
98,804. W. B. SCOTT.  
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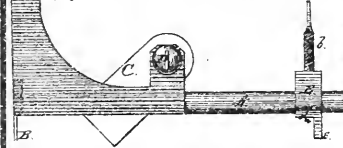
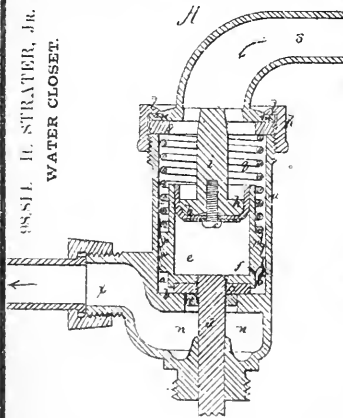
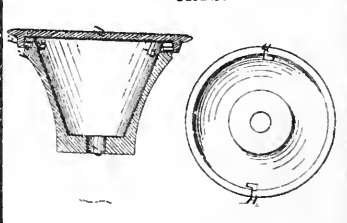
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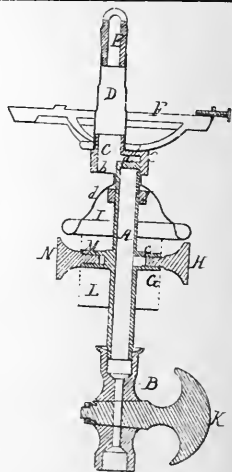
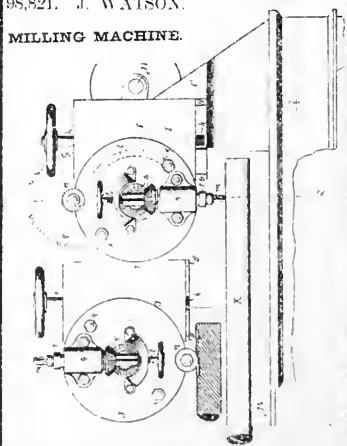
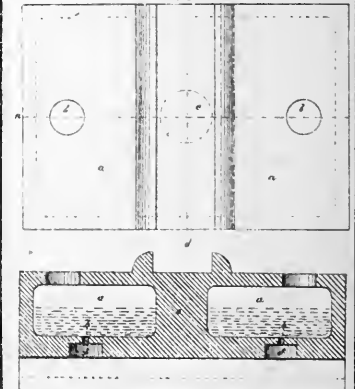
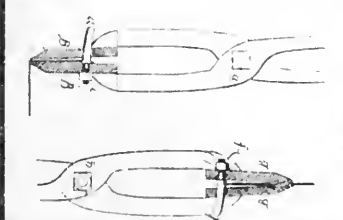
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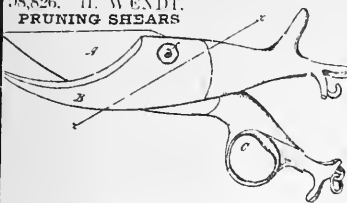
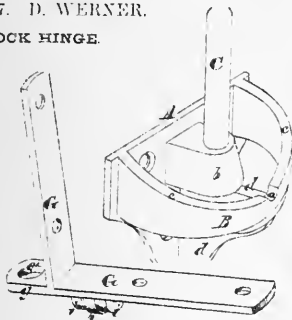
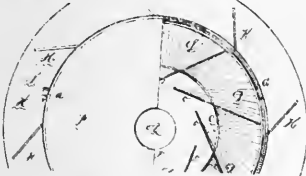
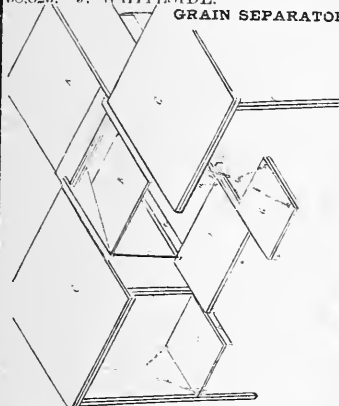
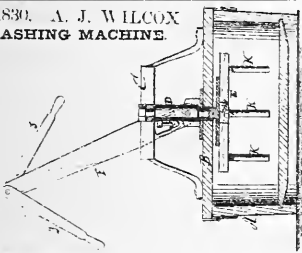
98,819. A. WANNER.  
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98,813. W. E. STODDARD. GAGE.

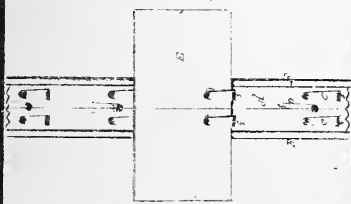
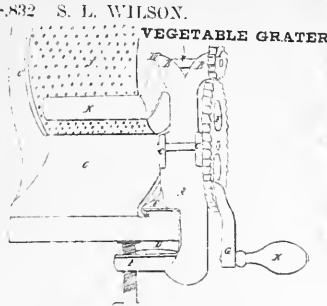
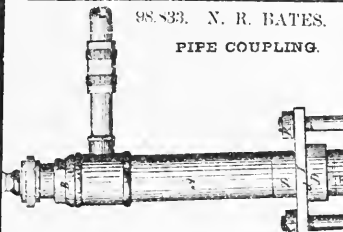
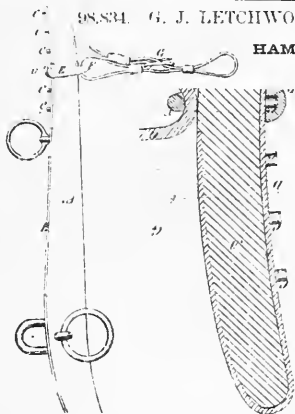
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CRYSTAL GRINDER.

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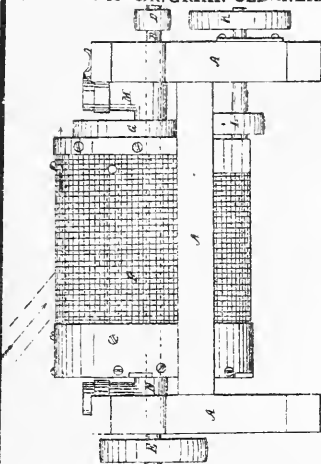
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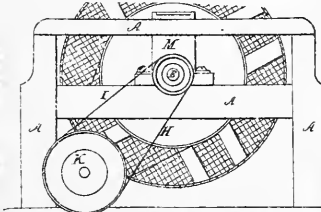
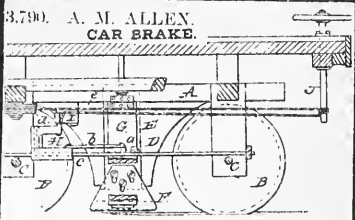
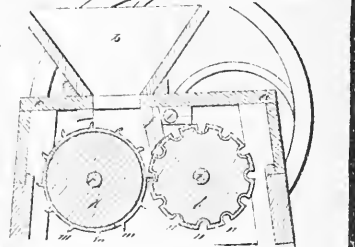
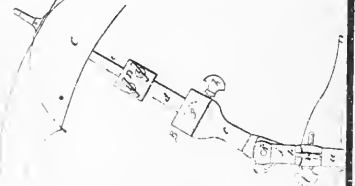
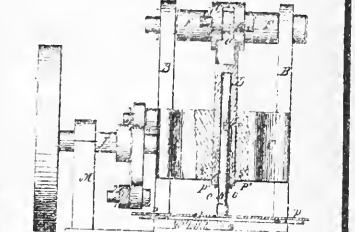
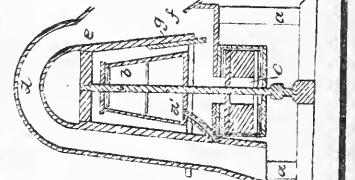
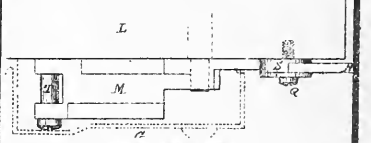
98,831. C. F. WILSON. CARD RACK.

98,832. S. L. WILSON.  
VEGETABLE GRATER.98,833. N. R. BATES.  
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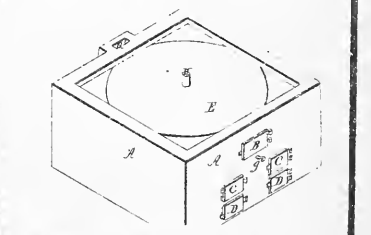
3,788. W. AGER. GRAIN CLEANER.



3,789. W. AGER. GRAIN CLEANER.

3,790. A. M. ALLEN.  
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3,796. J. VALE. OVEN.

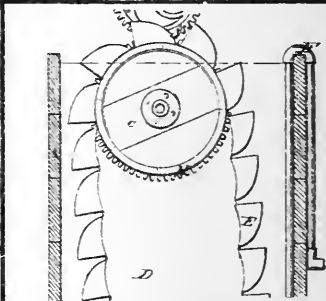
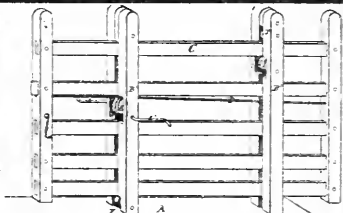
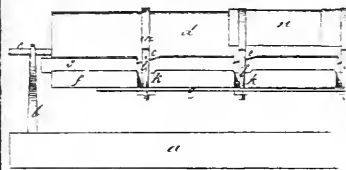


## ILLUSTRATIONS OF PATENTS

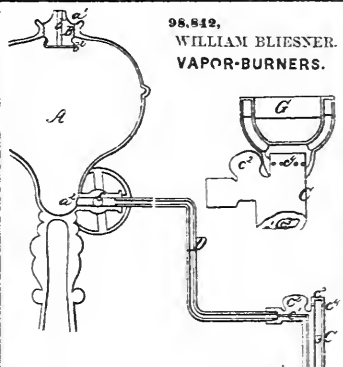
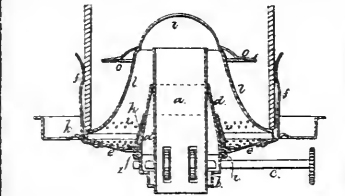
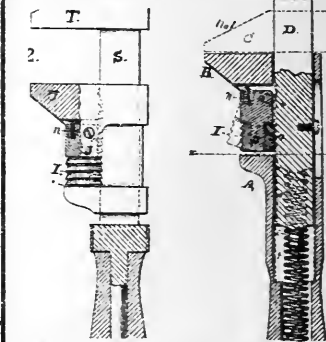
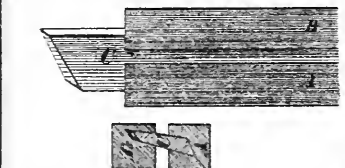
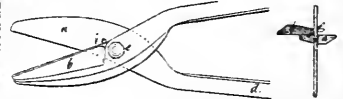
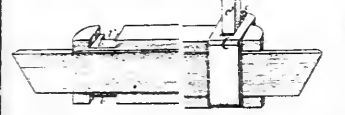
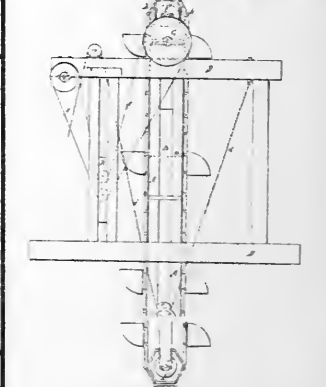
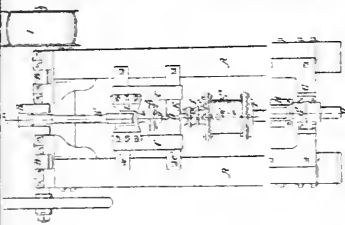
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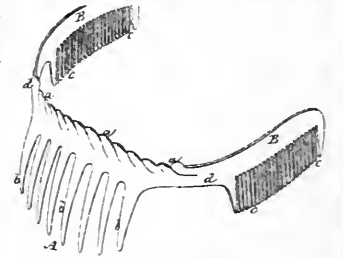
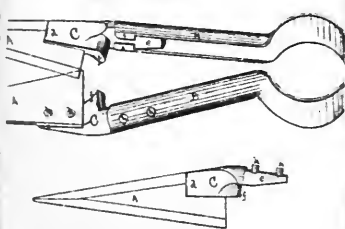
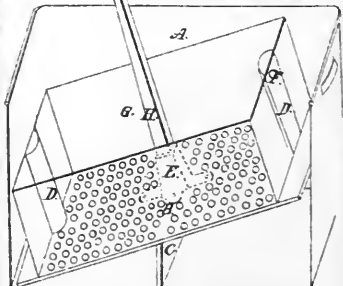
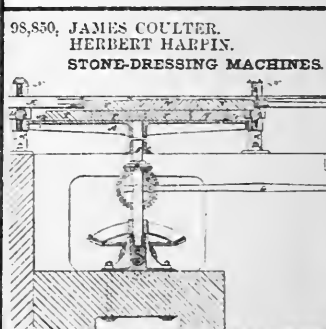
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98,835, DANIEL ASIRE. DEVICE FOR  
SOLDERING EAVES-TROUGHS.

98,836, L. J. ATWOOD. LAMP-BURNERS

98,842,  
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DREDGING-MACHINE.98,839, WM. BALL.  
FORGING AND STAMPING-MACHINE

98,844, ELIAS BROWN. ROUND COMBS.

98,840, WM. B. BARNARD.  
SHEEP-SHEARS.98,845, MILTON V. BULLA.  
J. BENJ. BIRDELL.  
WASHING-MACHINE.98,849, EDW. H. CLOWSER.  
FOOD FOR HORSES AND CATTLE.

98,841, ISAAC C. BENNETT. GATES.

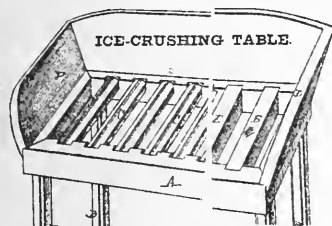
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APPARATUS FOR TRANSMITTING  
POWER BY THE MEDIUM OF AIR



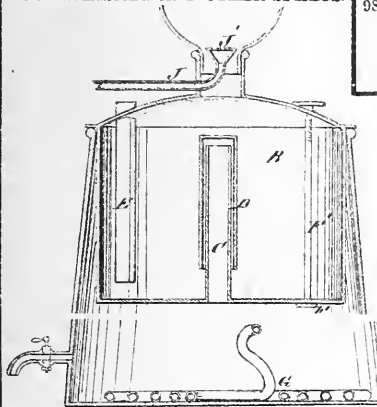
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ADJUSTABLE RECLINING-CHAIR.



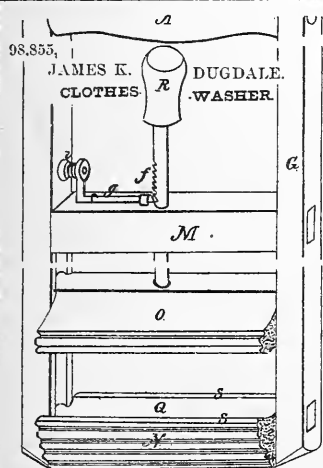
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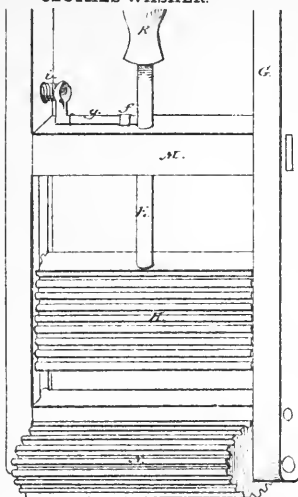
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FOR WHISKEY AND OTHER SPIRITS.



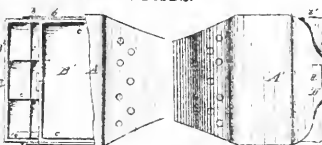
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EXPLOSIVE COMPOUND.



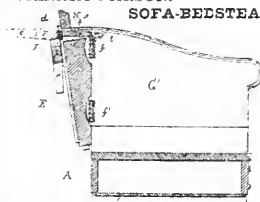
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CLOTHES-WASHER.



98,857, GEORGE W. ELLIOTT.  
SADDLE-BAGS.



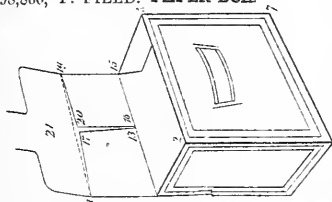
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SOFA-BEDSTEAD.



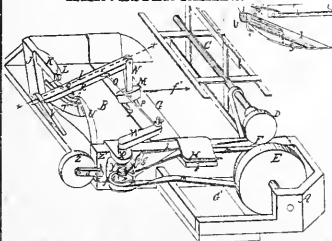
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TRAVELLING SLEEPING-CUSHION.



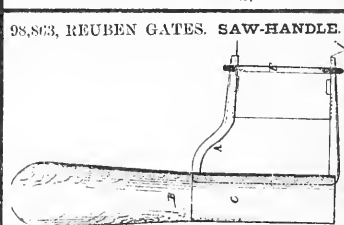
98,860, F. FIELD. PAPER BOX



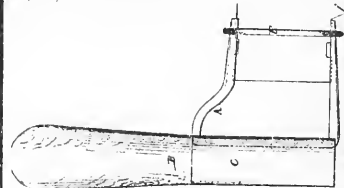
98,861, JEROME FRENCH.  
HARVESTER-RAKES.



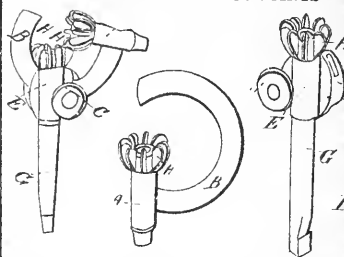
98,862, P. M. CRANE. COMPOSITION FOR  
EDWD. V. GARDNER, COATING SHIPS,  
BOATS.



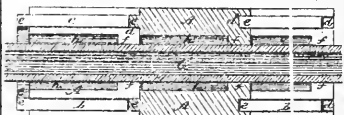
98,863, REUBEN GATES. SAW-HANDLE.



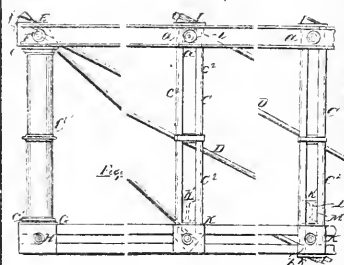
98,864, G. F. GREEN.  
UNIVERSAL-GEARED JOINTS



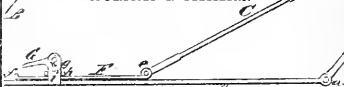
98,865, WASHINGTON HARRIS.  
NON-CONDUCTING COVERING  
FOR BOILERS, STEAM-PIPES.



98,866, GEO. P. HERTHEL, BRIDGES.



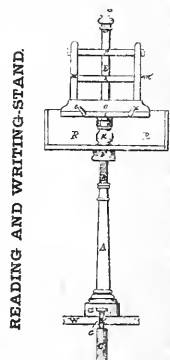
98,867, JAMES G. HOLMES.  
STOP FOR THE HINGED FRAM  
OF RECLINING-CHAIRS.



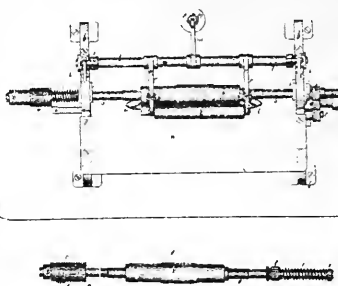
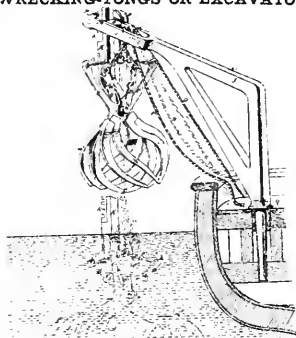
98,868, OAR  
WILLIAM J.  
HOUGH.



98,869, GEORGE HOWELL.

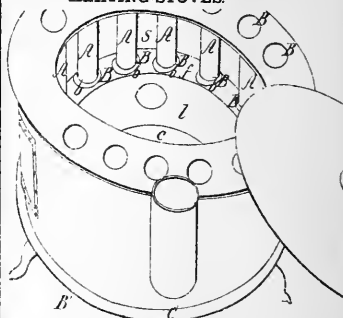


98,870, ROBERT HUNTER.  
WRECKING-TONGS OR EXCAVATORS.

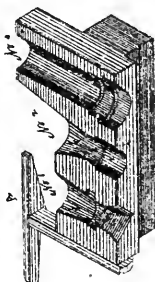
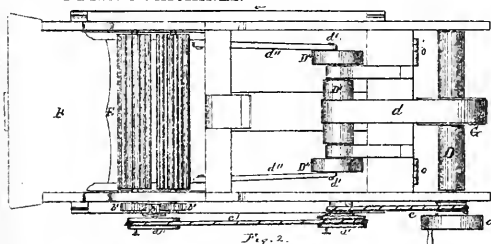


98,878, JOSEPH NICOL.  
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98,882, WILLIAM M. PHELPS.  
SAMUEL J. BURFEE.  
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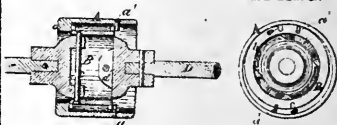
98,871, FREDERICK S. JENNINGS.  
FELTING-MACHINES.



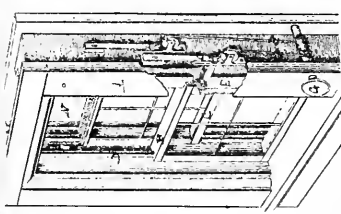
98,883, JOS. PHILIPPS.  
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98,884, FRANCIS PEYRE PORCHER.  
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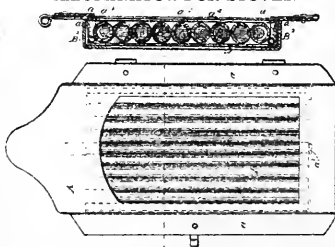
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98,872, JAMES P. LABAR.  
SASH-STOP, AND HOLDER.

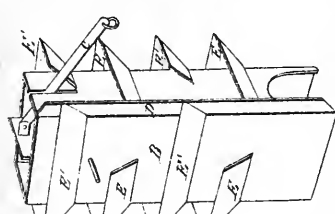


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ILLUMINATOR FOR STOVES.

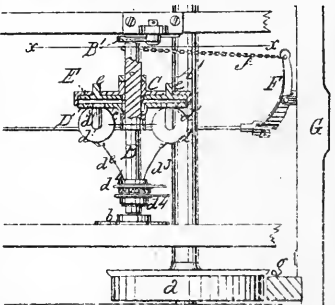


98,886, HENRY K. ROBERTS.  
GEO. E. ROBERTS.  
CORN-PLANTER AND FERTILIZER.

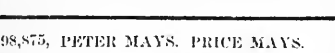
98,873, GEO. W. LORE.  
STOVE-PIPE DRUM.



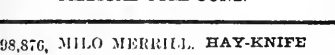
98,880, JOSEPH OLMSTED.  
ELECTRO-MAGNETIC CAR-BRAKES.



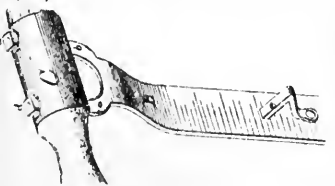
98,874, SIMON L. MADGE. METALLIC  
ALLOY FOR PLOW-MOULD-BOARDS.



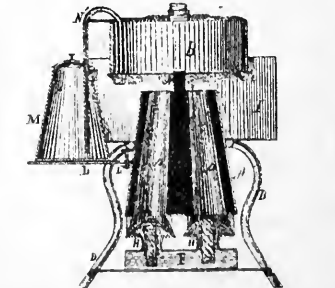
98,875, PETER MAYS. PRICE MAYS.  
MEDICAL COMPOUND.



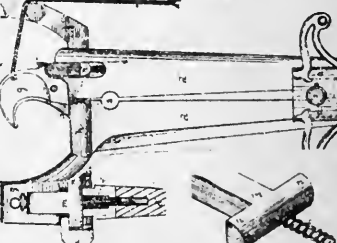
98,876, MILO MERRILL. HAY-KNIFE



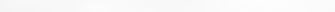
98,881, CLINTON I. PAINE.  
STEAM-CULINARY APPARATUS.



98,887, LUMAN ROGERS.  
HORSE HAY-FORKS.

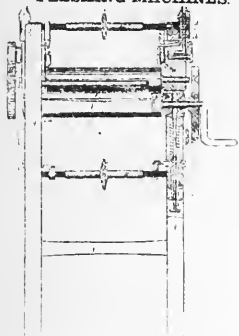


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HENRY SCHILD.  
CIGAR-MACHINES.

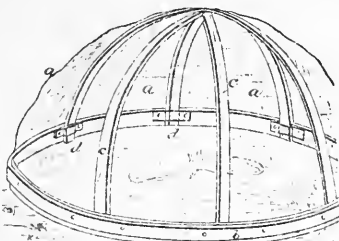




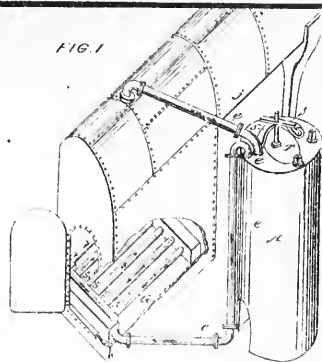
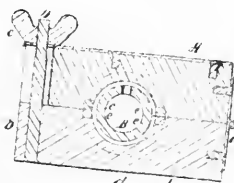
98,888, J. A. SAFFORD.  
LEATHER-SPLITTING AND  
FLESHING MACHINES.



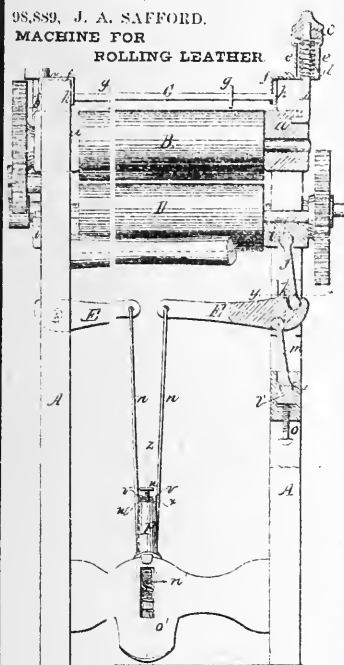
98,892, WATSON N. SPRAGUE  
PLANT-PROTECTORS.



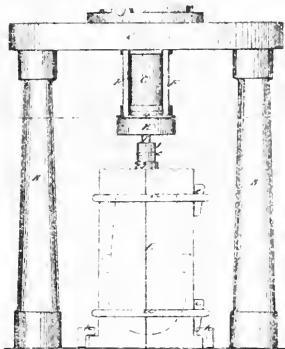
98,893, RICHARD STREET.  
CLOSING LEAKS IN HOSE, PIPES,  
AND TUBES.



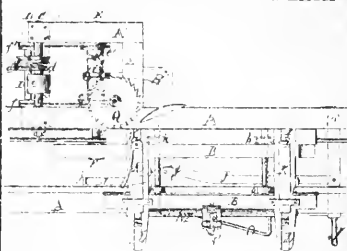
98,889, J. A. SAFFORD.  
MACHINE FOR  
ROLLING LEATHER.



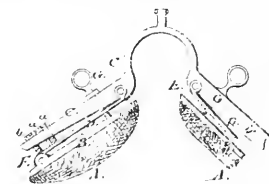
98,894, JOHN BLAKE TARR.  
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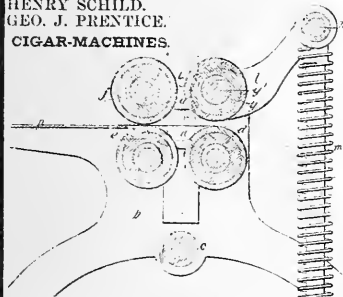
98,898, WILLIAM TUXWORTH.  
MACHINERY FOR SAWING LATH



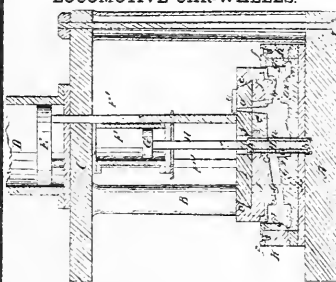
98,899, J. L. VAN WERT.  
HARNESS-SADDLES.



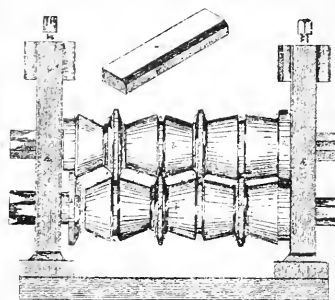
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HENRY SCHILD.  
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CIGAR-MACHINES.



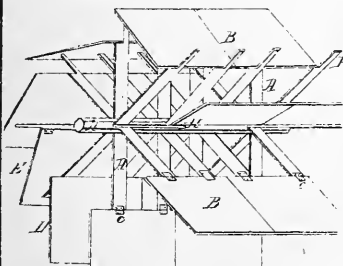
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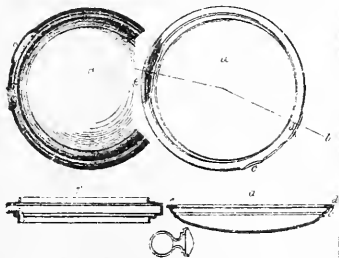
98,900, JOHN I. WILLIAMS.  
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98,891, ARTAXERNES W. SORY.  
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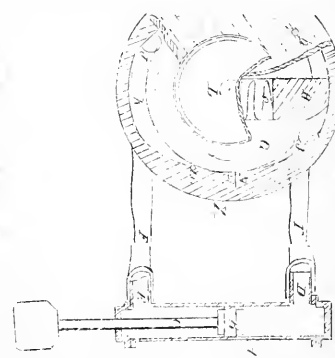


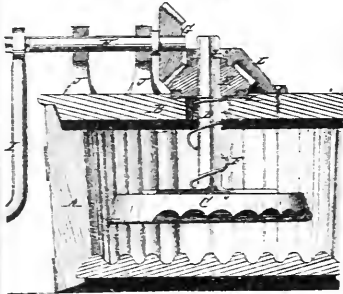
98,896, C. L. THIERY. WATCH-CASES



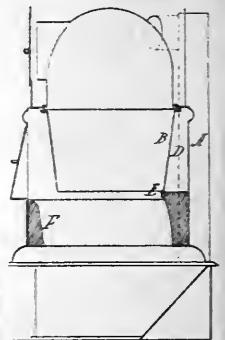
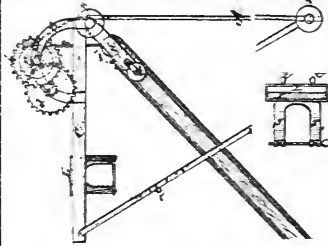
98,897, LEONARD THORN.  
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98,901, DE VOLSON WOOD. PNEUMATIC  
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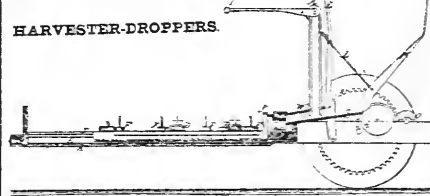
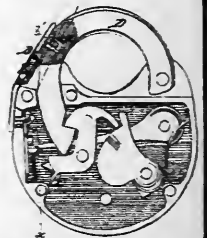
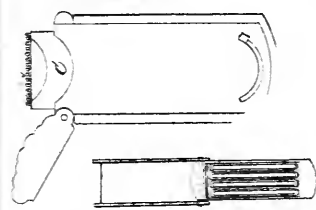
98,902. SQUIRE AINSWORTH.  
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98,903. GEO. W. BAKER. SCAFFOLD

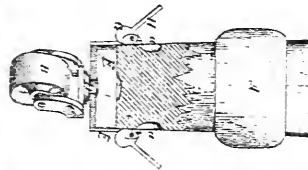
98,903. JOHN H. ATWATER.  
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98,909. W. G. BEELS.

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98,916.  
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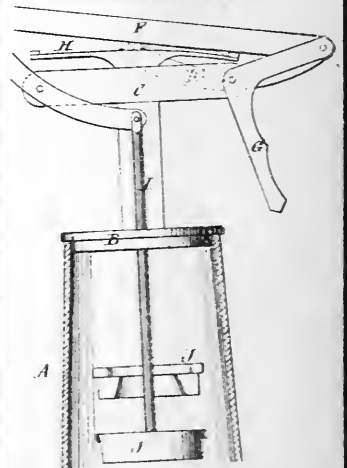
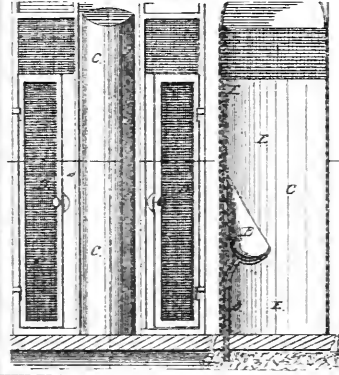
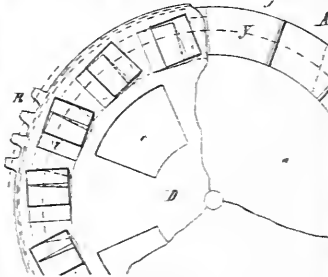
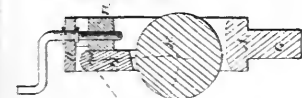
98,910. W. G. BEELS. HARVESTERS.

98,911. R. O. BENTON.  
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CASTER FOR FURNITURE

98,917. FRANKLIN W. BROOKS.

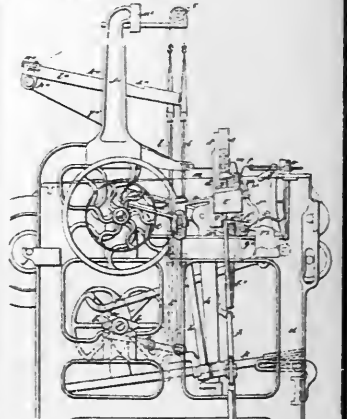
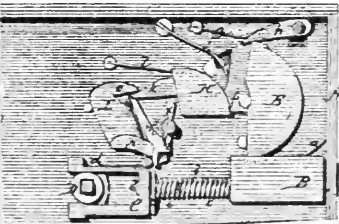
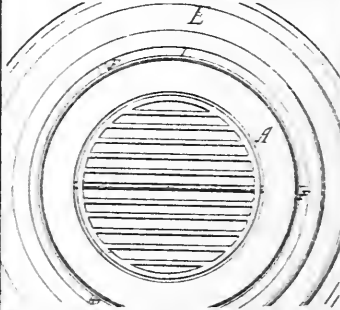
SEAL-LOCKS.

98,918. S. W. BRUCE. CHURNS.

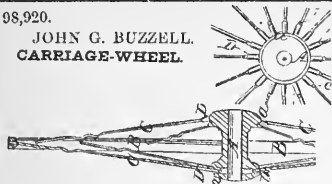
98,905. MORITZ BACHARACH.  
STREET-URINALS.98,913. HUGH BOYLE.  
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WILL G. BRATTON.  
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98,919.

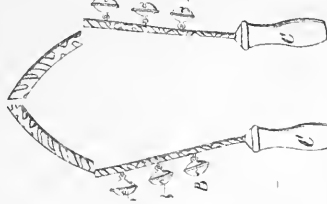
POWER-LOOMS.

98,907. W. N. BAILEY.  
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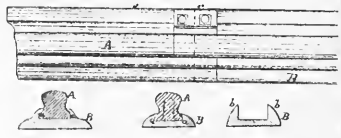
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JOHN G. BUZZELL.  
CARRIAGE-WHEEL.



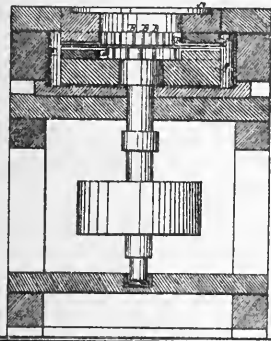
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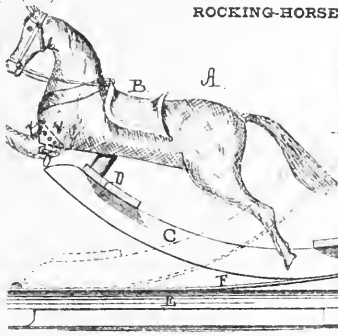
98,935, WM. B. DUNNING.  
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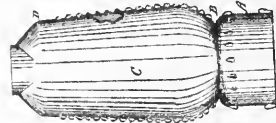
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D. R. DE RUSH.  
COTTON-SEED HULLERS.



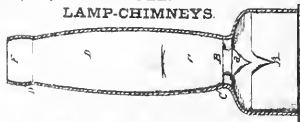
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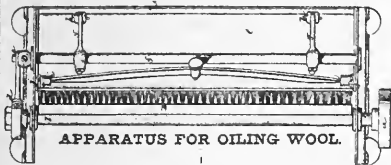
98,936, R. N. EAGLE.  
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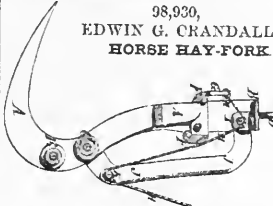
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LAMP-CHIMNEYS.



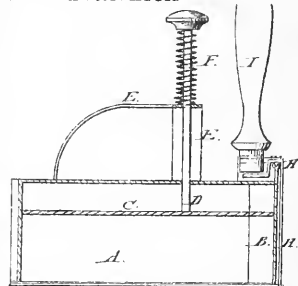
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98,930,  
EDWIN G. CRANDALL.  
HORSE HAY-FORK.



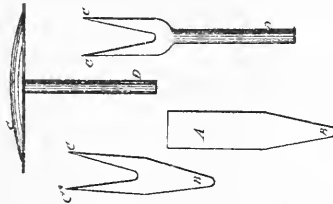
98,938, N. J. EATON.  
BUTTER-EXCAVATOR.



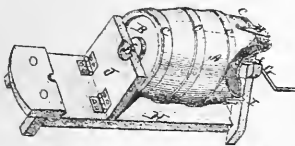
98,923, JOHN CARLIN. PLATE-HOLDER.



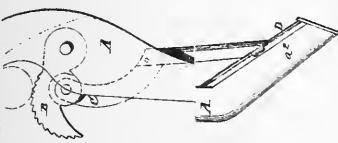
98,931, JOHN DEEBLE.  
METHOD OF FORMING T-BOLTS.



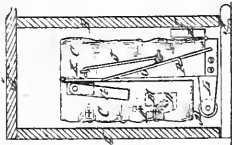
98,924, JOHN CHAPPLE. CHURNS.



98,925, JOHN CLARK. PIPE-TONGS.



98,932, LOUIS DEROME.  
ENCLOSED FOLDING SPRING-BED.



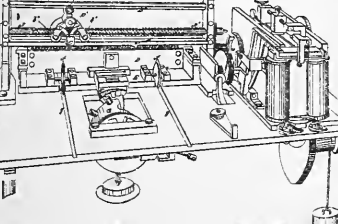
98,926, EDWARD COOGAN.  
CHAIR-TIP.



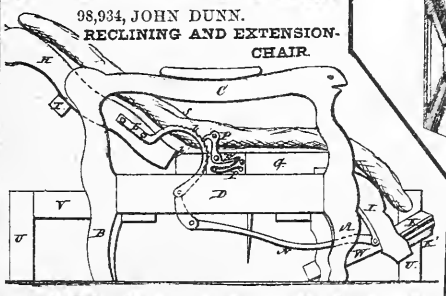
98,933, DAVID DRUMMOND.  
SCREW-DRIVER.



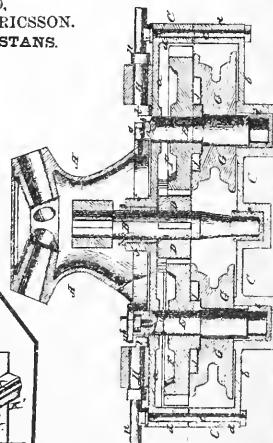
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TELEGRAPHIC APPARATUS.



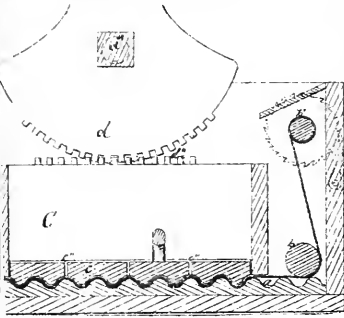
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RECLINING AND EXTENSION-  
CHAIR.



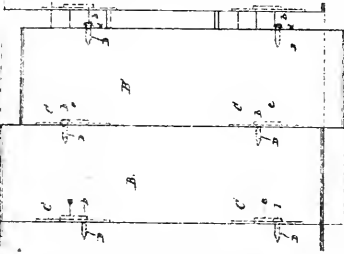
98,940,  
J. ERICSSON.  
CAPSTANS.



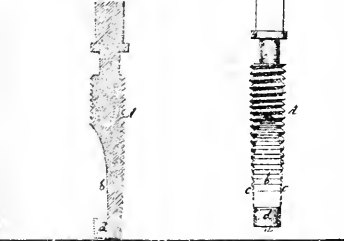
98,941. THOMAS R. EVANS.  
WASHING-MACHINE.



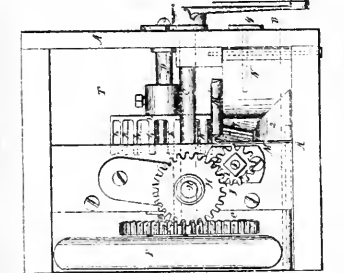
98,942. WILLIAM FARSON.  
EXTENSION-TABLE.



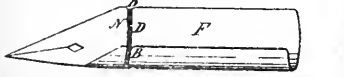
98,943. CHRISTIAN L. FEHRENSSEN.  
SCREW-TAP.



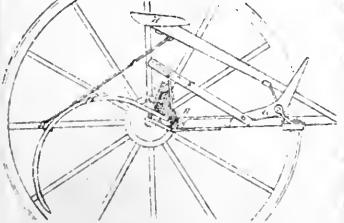
98,944. SAMUEL FIELD.  
CORN-SHELLERS.



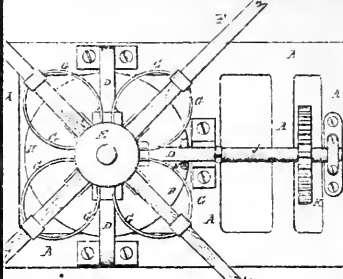
98,945. D. D. FOLEY. PENS.



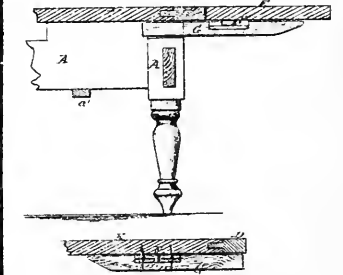
98,946. EMANUEL FORNEY.  
JONAS SWAR.  
HORSE HAY-FORKS.



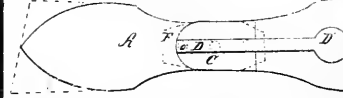
98,947. JAS. FRASER. HORSE-POWER.  
WILLIAM THOMAS.



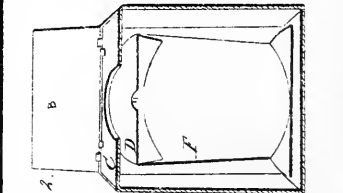
98,948. LAMBERT FREEMAN. TABLE



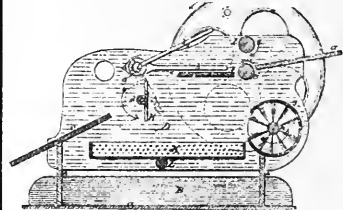
98,949. SELA W. GERELDS.  
PUTTY-KNIFE



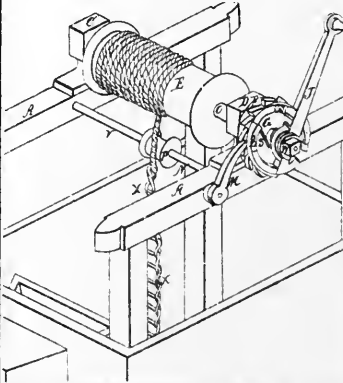
98,950. JOSEPH GILBERT.  
PORTABLE WATER-CLOSETS.



98,951. E. A. GOODES.  
THRESHING-MACHINES.



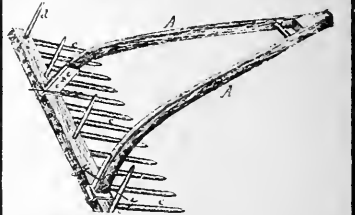
98,952. MATTHEW D. GRAY.  
WATER-ELEVATORS.



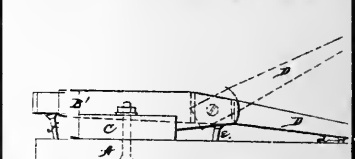
98,953. LOUIS GUTEKUNT.  
BREAKWATERS



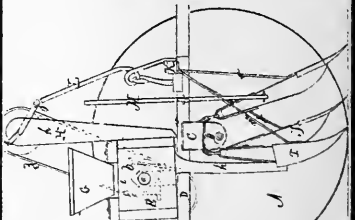
98,954. GEORGE H. HACKETT.  
DRAG-RAKE.



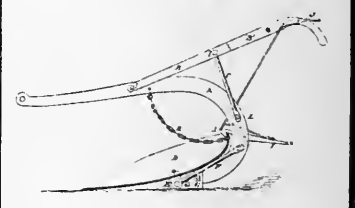
98,955. WILLIAM P. HALE.  
MACHINE FOR FINISHING SPOKES.



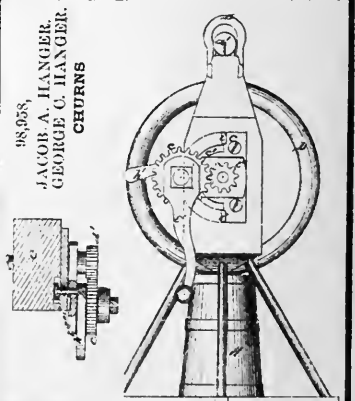
98,956. J. A. HALL.  
COMBINED SEEDER AND CULTIVATOR.



98,957. ROBERT HAMILTON.  
ROAD-SCRAPERS.

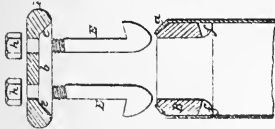


98,958.  
JACOB A. HANGER.  
GEORGE C. HANGER.  
CHURNS

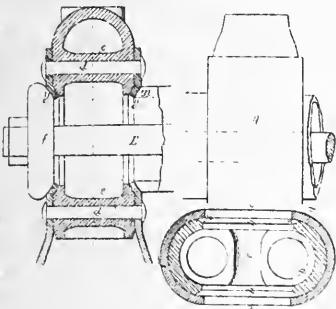


98,959, MRS. MARY J. HANSON.  
MEDICAL COMPOUND.

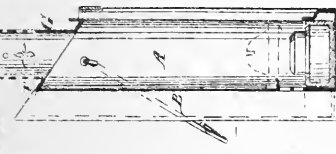
98,960, W. H. HARRISON.  
JOINTS FOR METAL PIPES.



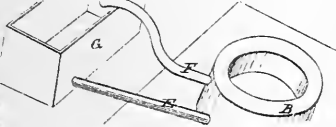
98,961, W. H. HARRISON.  
CONNECTIONS FOR PIPES OF  
MALLEABLE METAL.



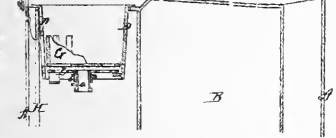
98,962, E. F. HASKELL. LANTERNS.



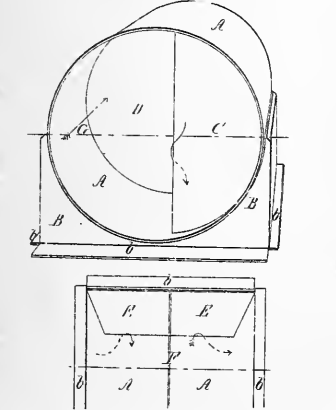
98,963, JOHN HENDERSON.  
GLASS-FURNACES.



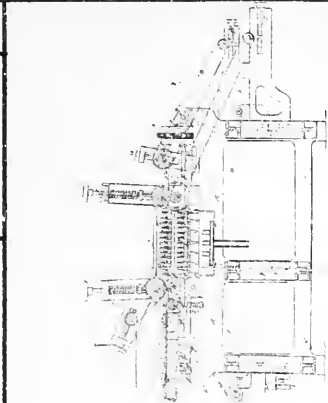
98,964, CHARLES W. HERMANC.  
COOKING-STOVE.



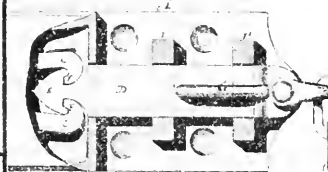
98,965, M. T. HITCHCOCK.  
RAILROAD-CAR VENTILATOR.



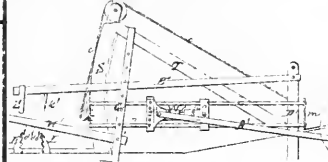
98,966, EDWARD HOLDEN.  
APPARATUS FOR COMBING  
AND PREPARING WOOL.



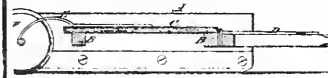
98,967, JAMES L. HOWARD.  
CAR-DOOR LOCKS.



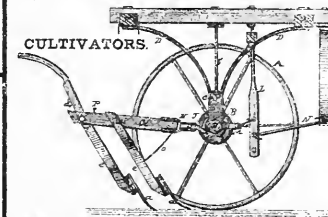
98,968, S. CHARLES HOWE.  
SAWING-MACHINES.



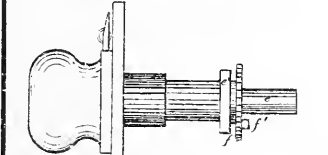
98,969, JAMES HOWLAND.  
ROAD-SCRAPER.



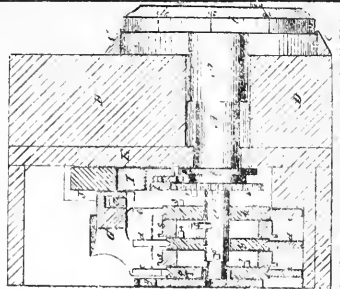
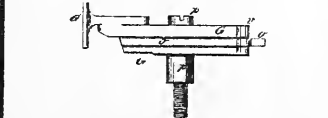
98,970, BENJAMIN S. HYER'S.



98,971, HENRY ISHAM.  
KNOBS FOR PERMUTATION-LOCKS.



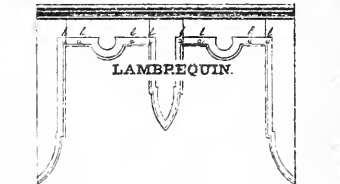
98,972, FRANCES E. ISHAM.  
PERMUTATION-LOCKS.



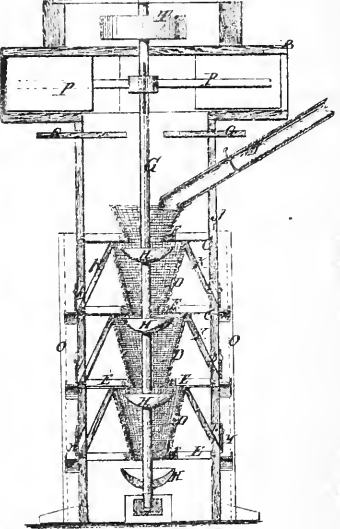
98,973, WM. H. JOECKEL. CHAIR.



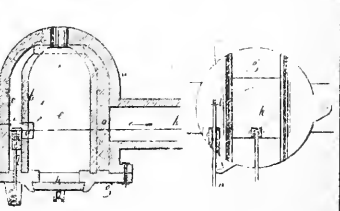
98,974, HENRY M. JOHNSTON.



98,975, CHARLES JONES.  
GRAIN-CLEANERS.

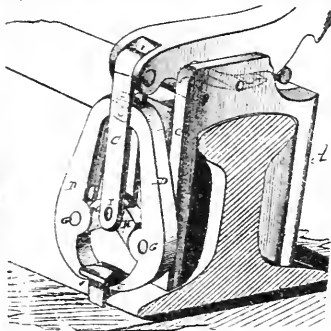
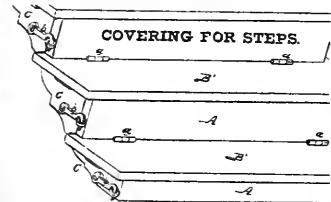
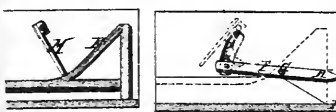
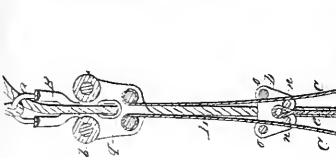
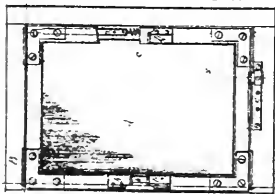
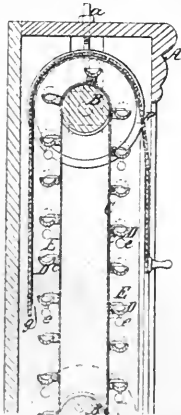
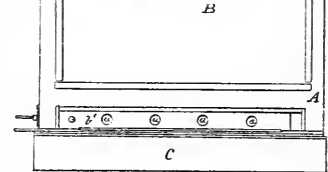
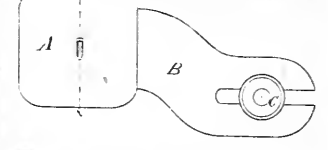
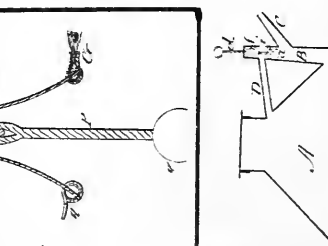
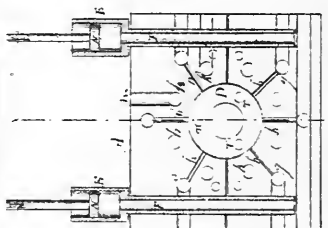
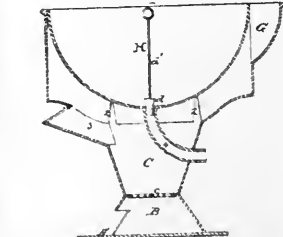
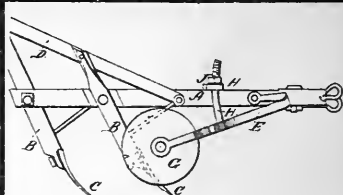
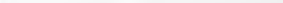
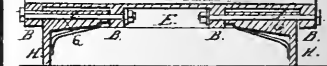
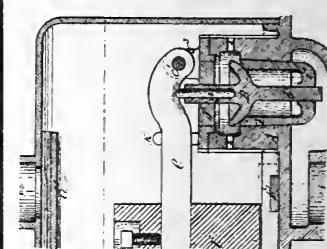
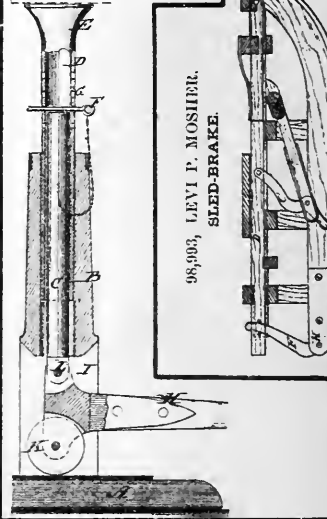
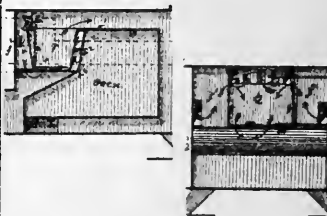


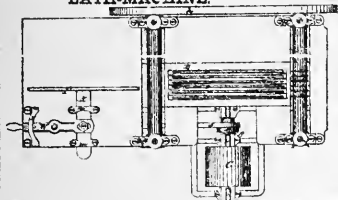
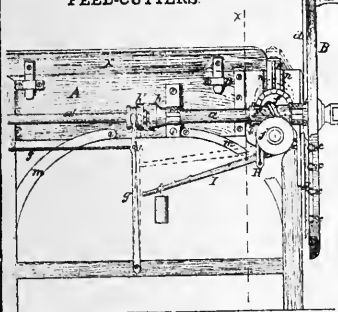
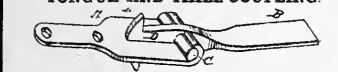
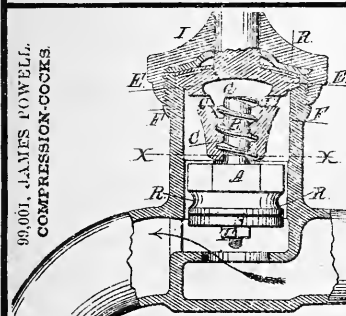
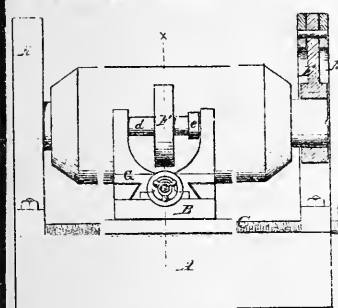
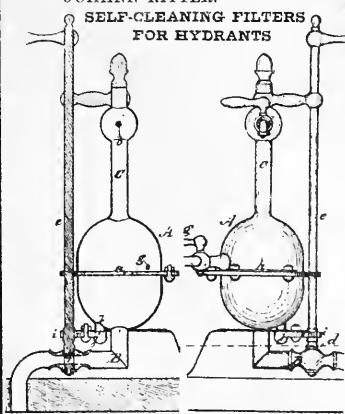
98,976, JAMES O. JONES. TUYERE.



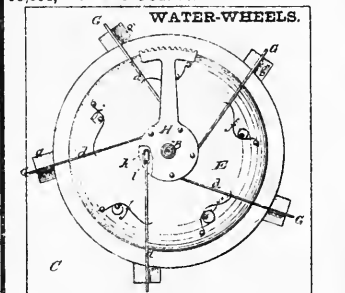
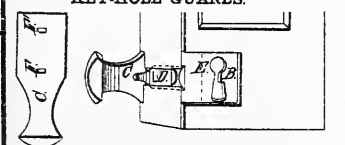
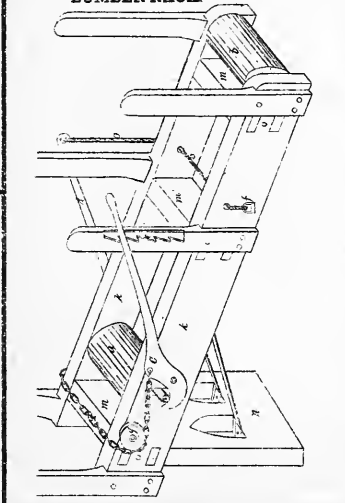
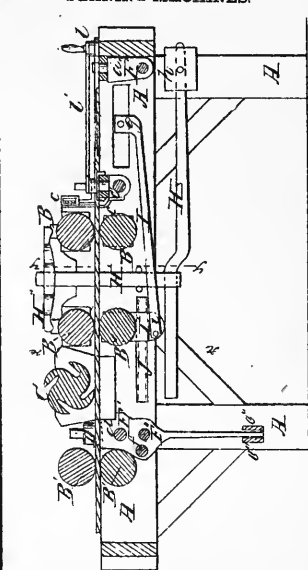
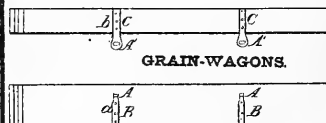
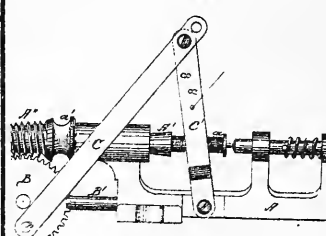


98,977, WM. KEGG. SPIKE-EXTRACTOR.

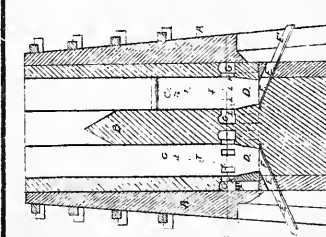
98,978, CHARLES E. KEMP.  
JOSEPH N. PATTISON.98,979, JOHN J. KIMBALL.  
FLOOD-GATE.98,980, GEO. S. KNAPP.  
CHIMNEY-CLEANER.98,981, G. S. KNAPP.  
RAILROAD-CAR WINDOW.98,982, GEO. D. LEONARD.  
SHOW-CASE FOR SILKS, COTTONS.98,983, N. H. LINDLEY.  
HORSE-HOE.98,984, MICHAEL LITTLE.  
FLY-TRAPS.98,985, JAMES M. LYON.  
BRAIDING-ATTACHMENT  
FOR SEWING-MACHINES.98,986, J. J. MARCY.  
OIL-CAN VENT-SPOUTS.98,987, JEREMIAH McILVAIN.  
JOURNAL-BOXES.98,988 ALLEN N. MERRILL.  
FARMERS' BOILER.98,989, DAN. O. MOORE.  
FRANK REID.  
CLOD-FENDERS.98,990, J. W. MOORE.  
RUNNER-ATTACHMENT  
FOR CARRIAGES.98,991, WILLIAM MOSES.  
LOCK-UP SAFETY-VALVE.98,992, C. W. MOSHER.  
LIFTING-JACKS.98,993, LEVI P. MOSHER.  
SLED-BRAKE.98,994, MARTIN J. MOSHER.  
COOKING-STOVE98,995, SEWELL NEWHOUSE.  
METALLIC CARTRIDGES.

98,996, WALTER B. NOYES.  
LATH-MACHINE.98,997, GEORGE PARNELL.  
FEED-CUTTERS.98,998, JAMES I. PECK.  
TONGUE AND THILL-COUPLING.98,999, RUPERT PFEIFER.  
CORN-SHELLERS.99,000, J. M. POOLE.  
GRINDING MACHINE.99,001, JAMES POWELL.  
COMPRESSION-COCKS.99,002, JOHN RAIBLE.  
MATTHIAS KEIS.  
JOHANN RITTER.99,003, HENRY R. ROBBINS.  
PIPE-COUPLING FOR HEATING CARS.

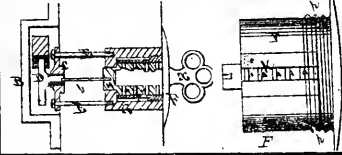
99,004, JOHN ROGERS.

99,005, JOHN L. RUSSELL.  
KEY-HOLE GUARDS.99,006, CHARLES SACH.  
LUMBER-RACK.99,007, ELLIOT SAVAGE.  
ALLOYS OF MANGANESE.99,008, JOHN B. SCHENCK.  
PLANING-MACHINES.99,009, MINOT S. SCOFIELD.  
HAND-BARROWS.99,010, GEO. SEITZINGER.  
FASTENING SIDE-BOARDS TO  
GRAIN-WAGONS.99,011, THOMAS SHANKS.  
BOBBIN-WINDERS FOR  
SEWING-MACHINES.

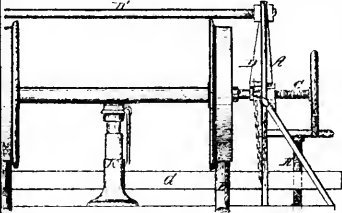
99,012, F. SHELLEY. LIME-KILNS.



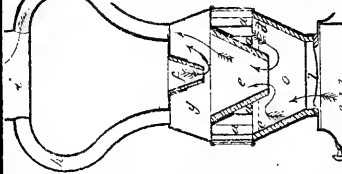
99,013, H. S. SHEPARDSON. LOCK.



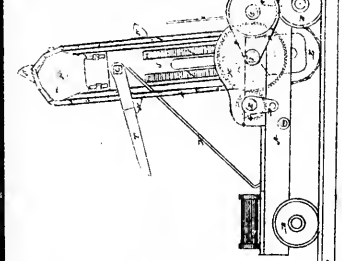
99,014, B. S. SKATES. APPARATUS FOR STRAIGHTENING CAR-AXLES.



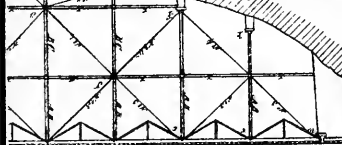
99,015, ELI SLATER. HOT-AIR FURNACE.



99,016, FRANCIS W. SLATER. SEWER-EXCAVATOR.



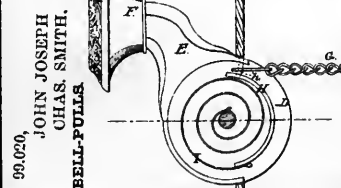
99,017, SMITH, LATROBE AND SMITH. METHOD OF CROSSING RAVINES AND VALLEYS.



99,018, GEORGE C. SMITH. RUBBER HOSE.

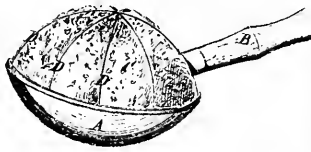


99,019, JAMES T. SMITH. NUMBER-PLATES FOR DOORS.

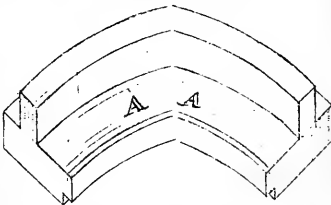


99,020, JOHN JOSEPH CHAS. SMITH. BELL-PULLS.

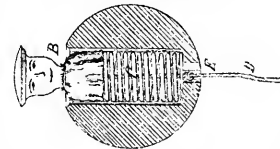
99,021, T. RICE SMITH. JAMES MITCHELL. CLOTHES-SPRINKLER.



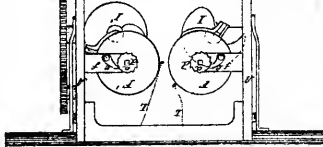
99,022, JOHN SPERRY. PICTURE-FRAMES.



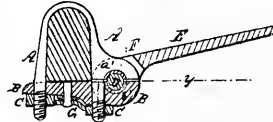
99,023, HENRY SPLITDORF. SPRING TOY-BALL.



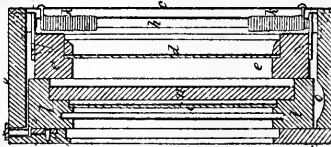
99,024, JEREMIAH STEVER. SHUTTLE-DRIVING MECHANISM FOR LOOMS.



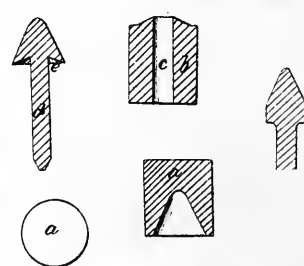
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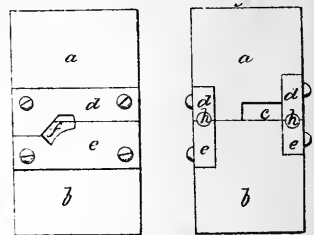
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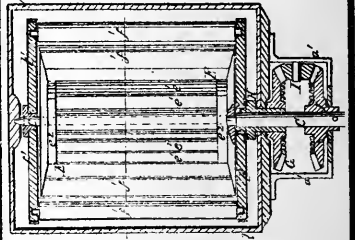
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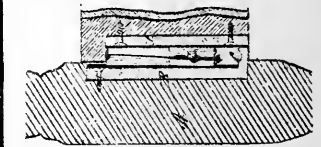
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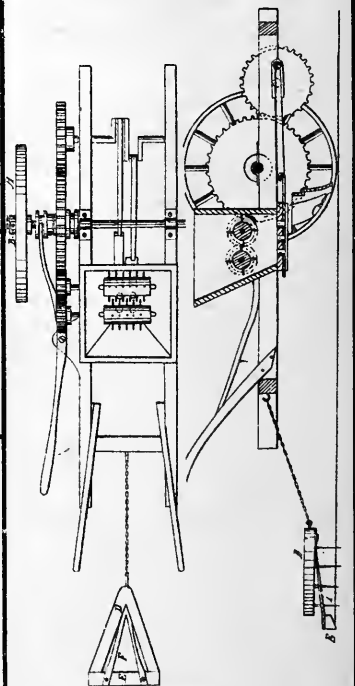
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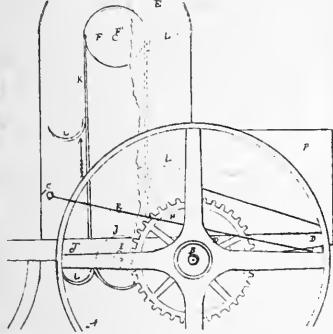




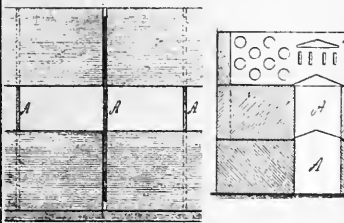
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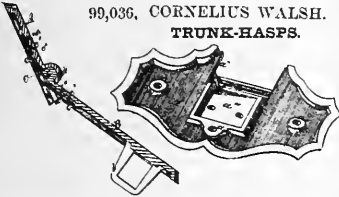
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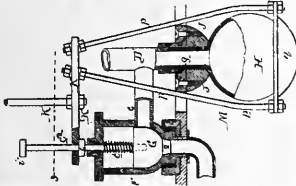
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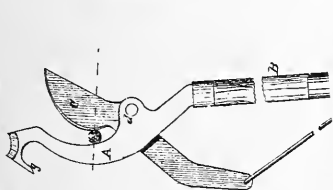
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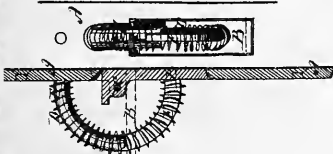
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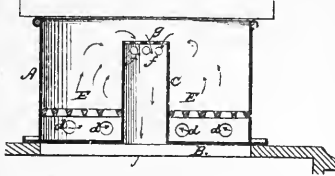
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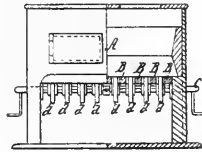
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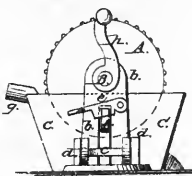
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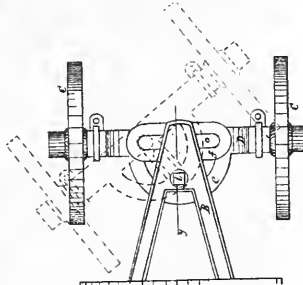
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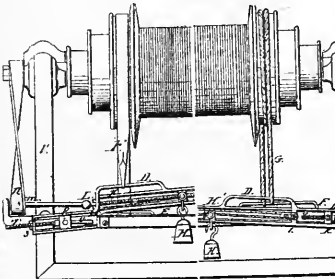
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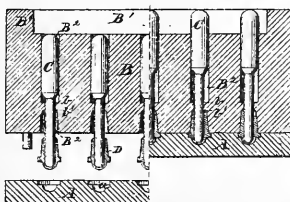
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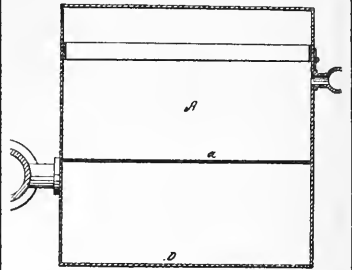
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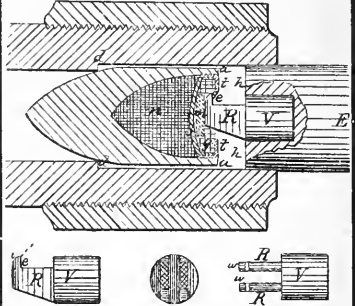
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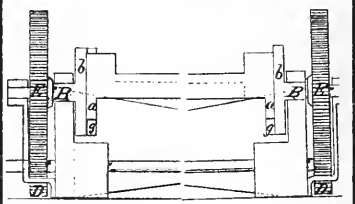
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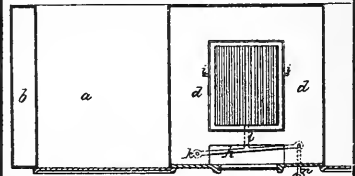
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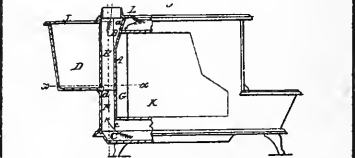
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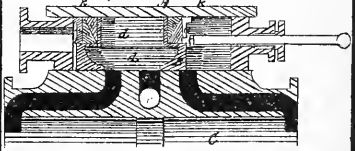
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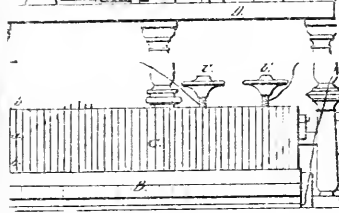
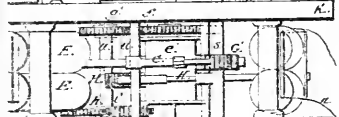
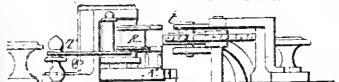
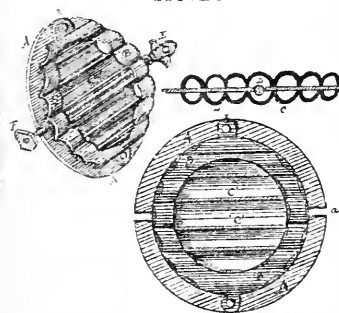
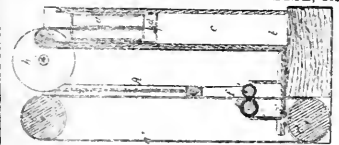
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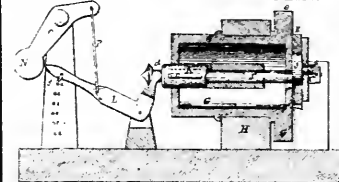
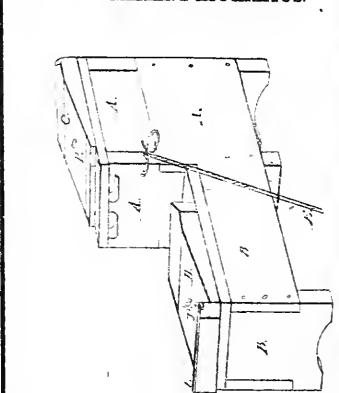
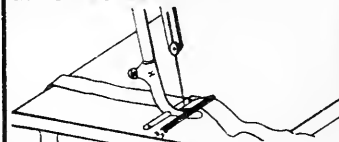
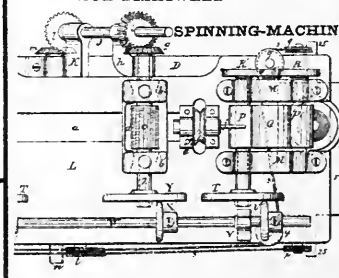
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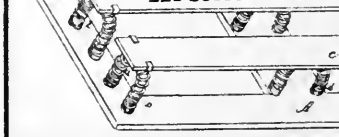
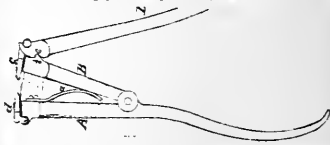
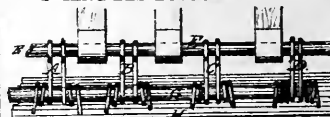
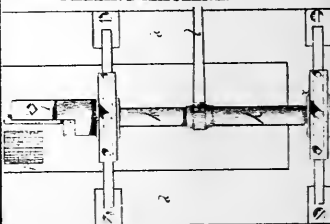
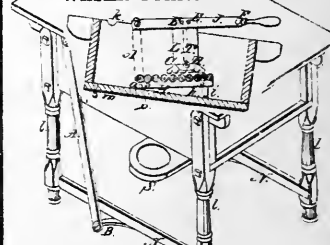
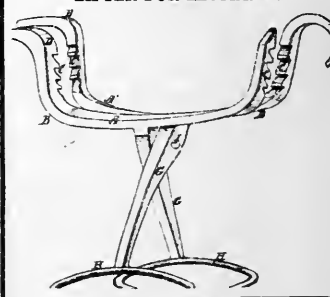
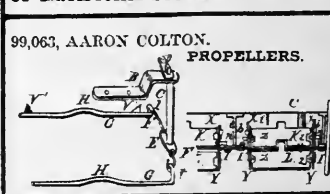
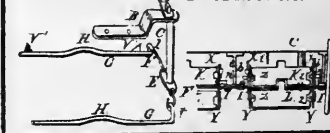
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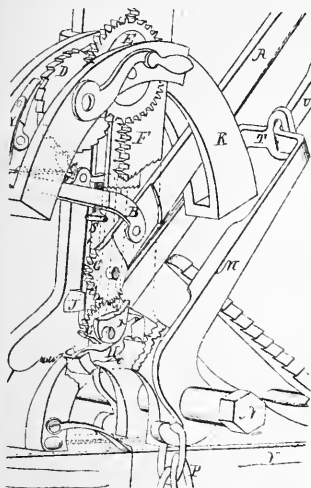
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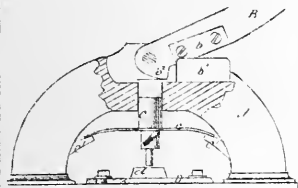
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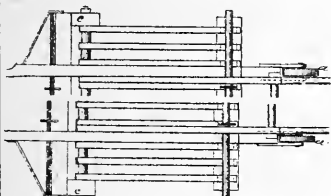
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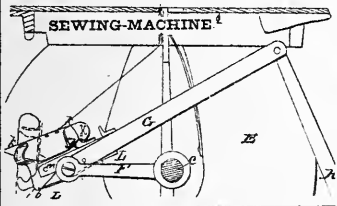
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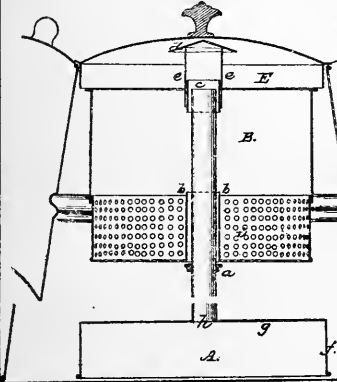
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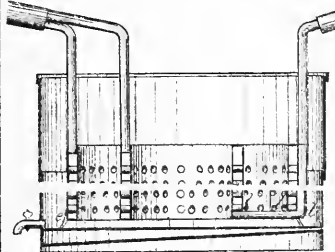


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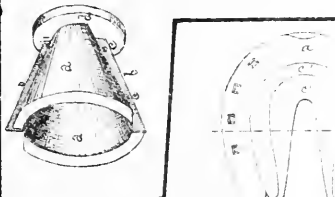


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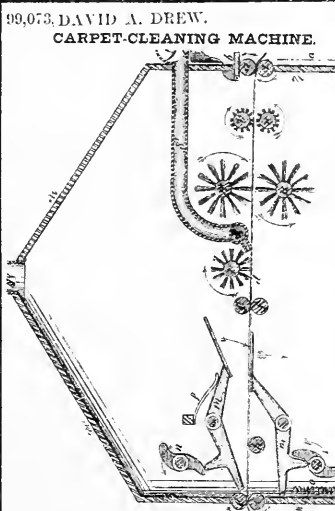
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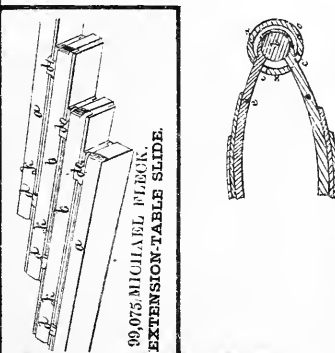
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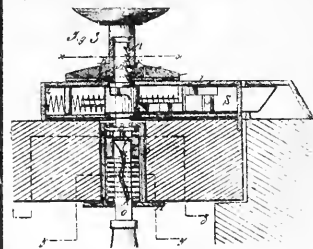
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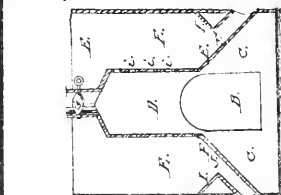
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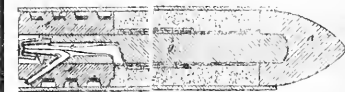
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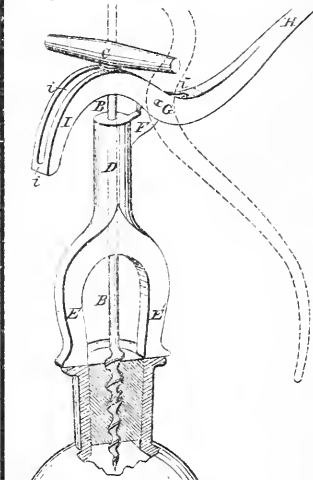
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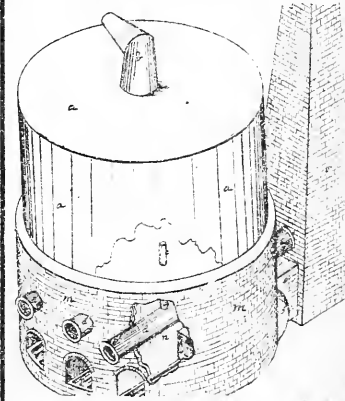
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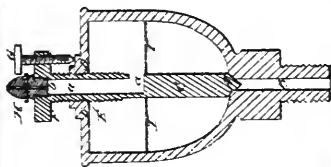
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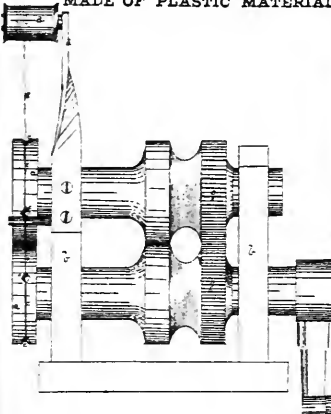
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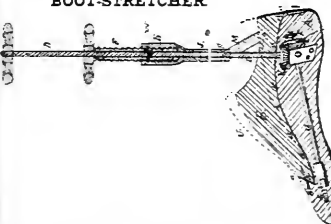
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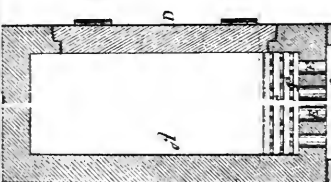
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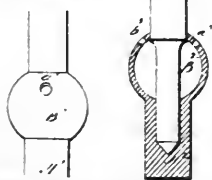
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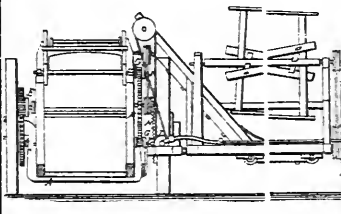
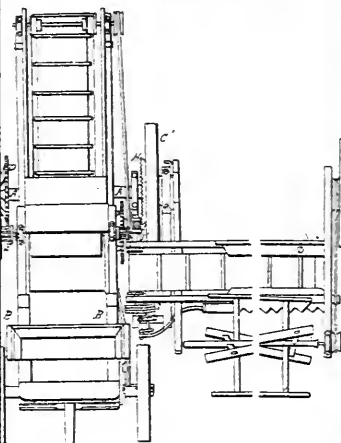


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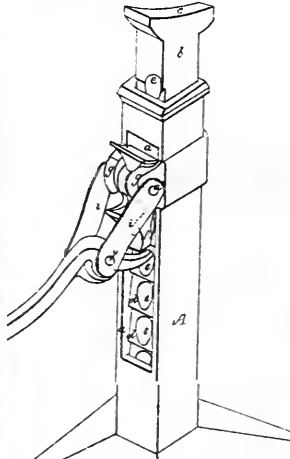


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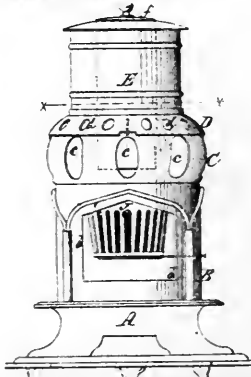
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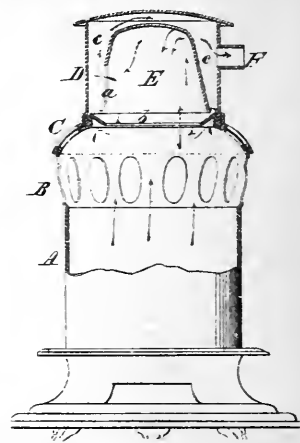
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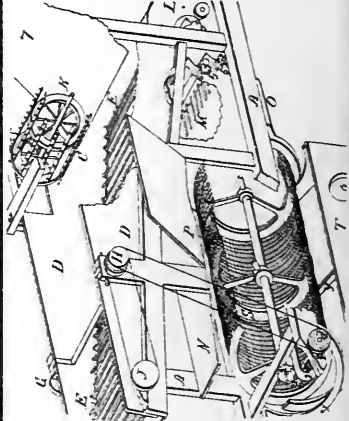
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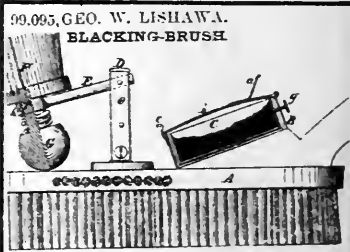
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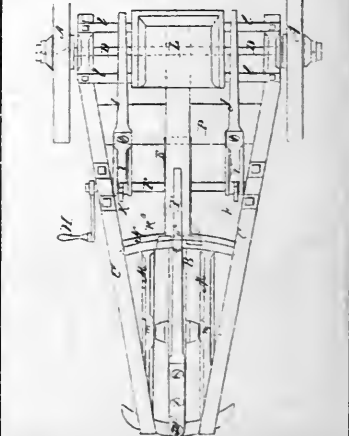
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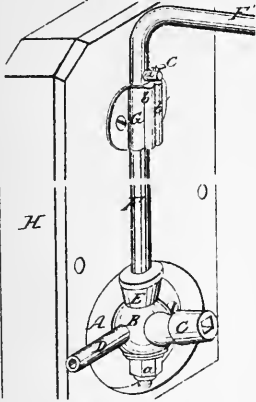
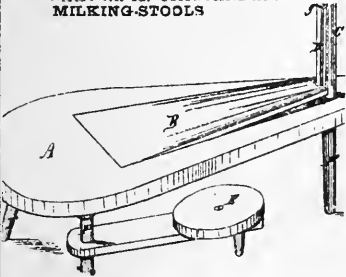
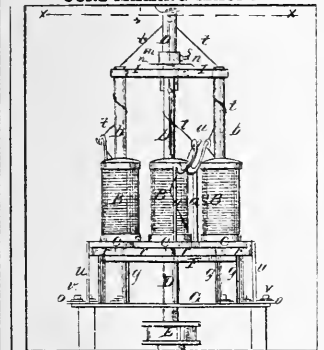
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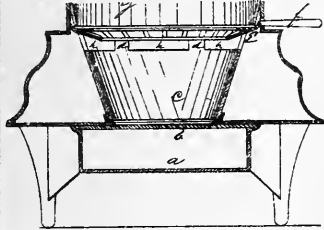
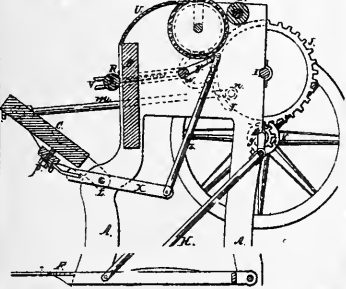
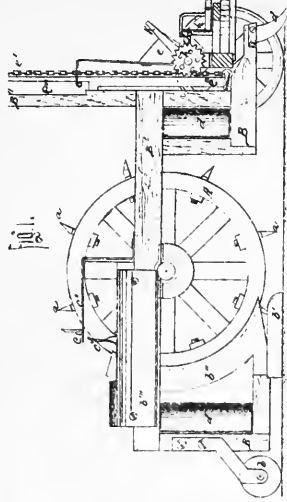
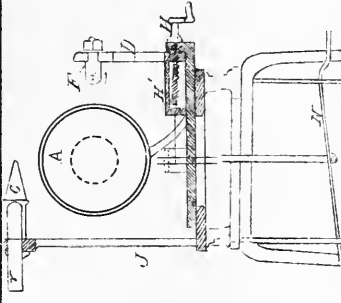
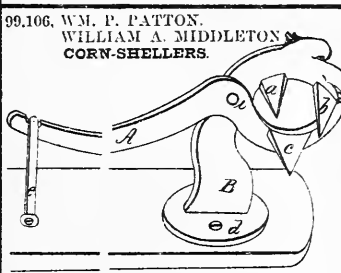
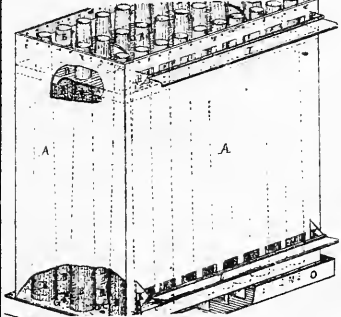
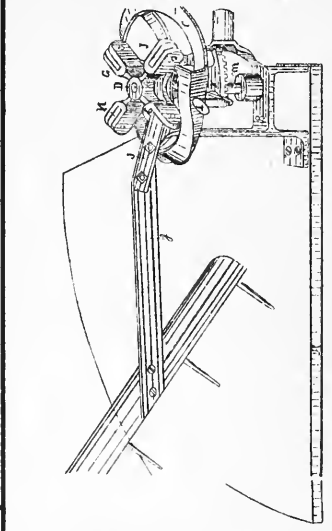
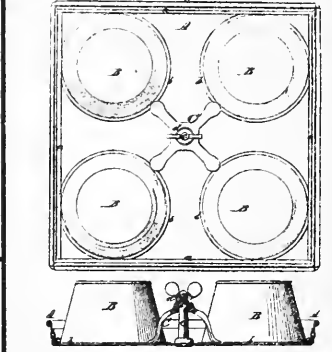
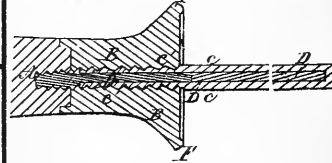
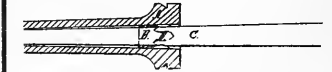
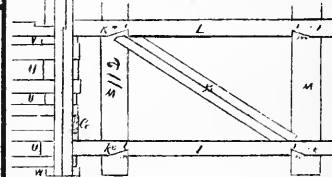
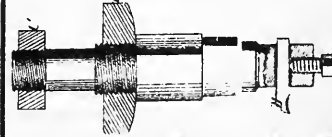
99,095, GEO. W. LISHAWA.  
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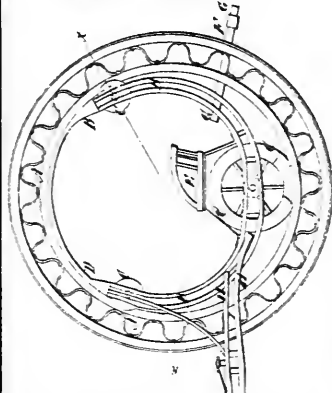
99,097 JACOB R. MANNY HYDRANTS.

99,098 EPHRAIM MARTIN.  
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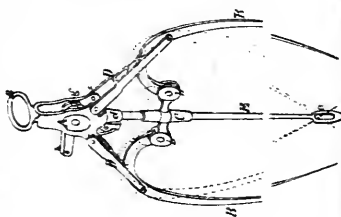
99,100 GEO. R. MOORE COAL-STOVES.

99,101 W. T. MORGAN'S.  
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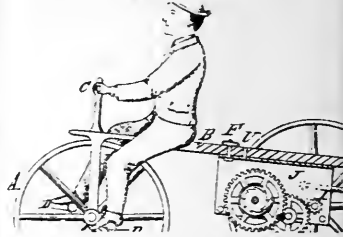
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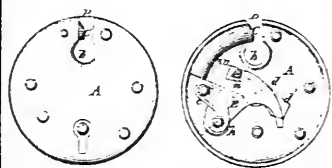
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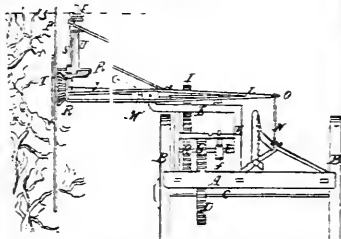
99,127, ARTHUR M. ALLEN  
TOY PROPELLER.



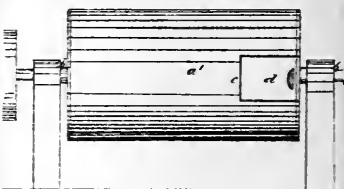
99,115, F. W. SMITH, JR. PADLOCKS.



99,121, JAMES M. VAN NOSDALL.  
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99,125, J. R. ALSING, APPARATUS  
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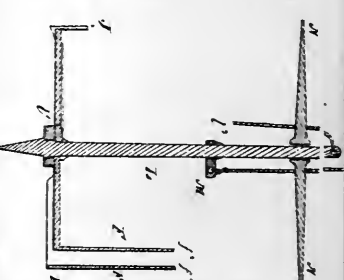
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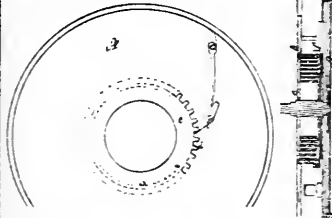
99,122, J. S. WARNER, THREAD-TENSION  
DEVICE FOR SEWING-MACHINE.



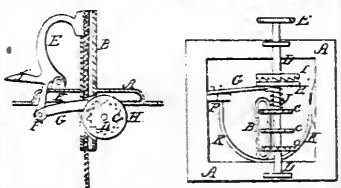
99,129, N. AUBIN, PEAT AUGER.



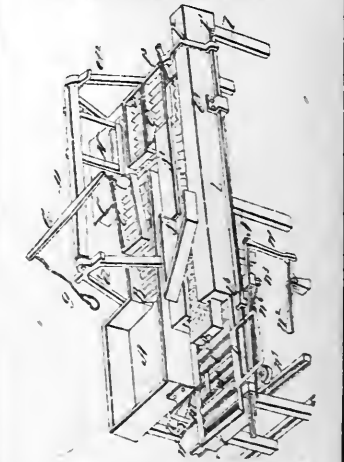
99,117, S. CURTIS SMITH.  
SAFETY-STOP FOR WATCHES.



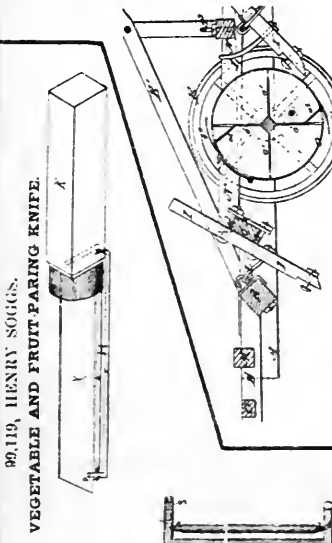
99,123, WM. H. WEEKS.  
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FOR LAMPS AND TAPER BURNERS.



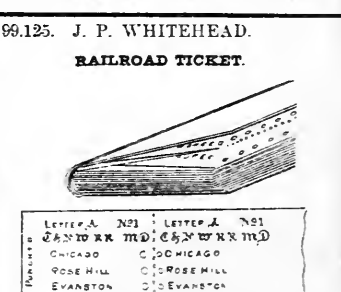
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PEAT-MOULDING MACHINES.



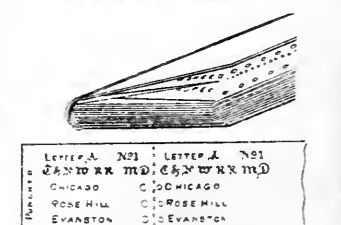
99,118, T. J. SMITH, COMBINED PLOW,  
PLANTER, AND CULTIVATOR.



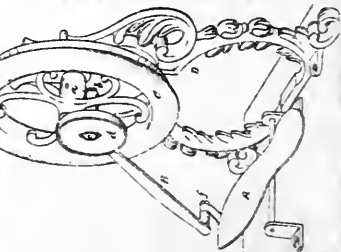
99,124, JOHN WERNER, COMPOSITION  
FOR LINING ALE AND BEER-CASES.



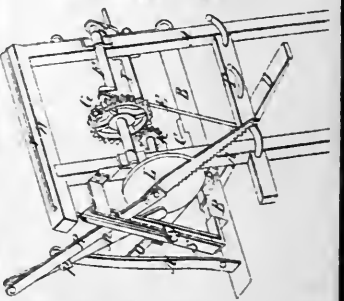
99,125, J. P. WHITEHEAD.  
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99,126, CHAS. H. WILLCOX.  
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99,131, LOUIS BACH.  
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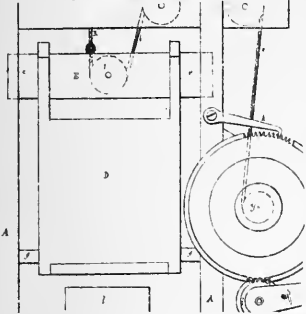
99,119, HENRY SOGGS.  
VEGETABLE AND FRUIT PARING KNIFE.



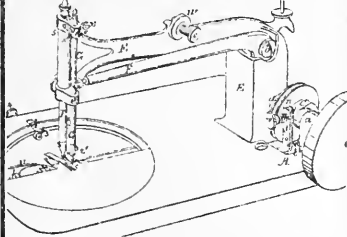


99,132, ALBERT G. BAGG.

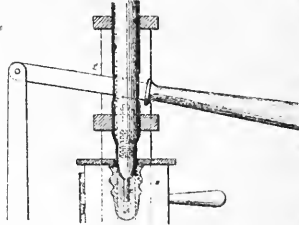
CHEESE-PRESSES.



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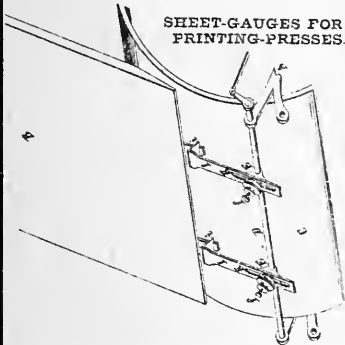
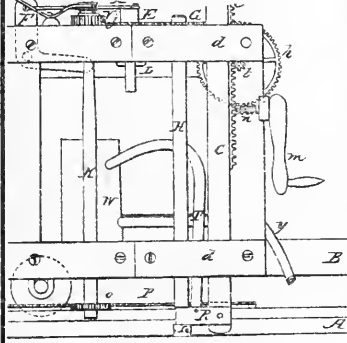
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99,145.

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MANUFACTURE OF  
INSULATORS FOR TELEGRAPH-POLES

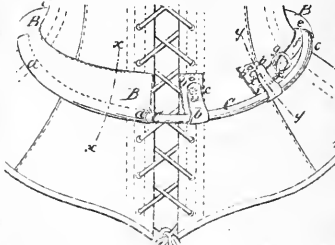
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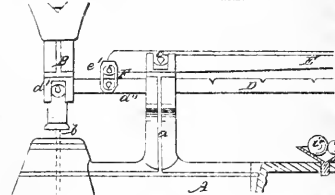
99,146. J. W. BROOKS.

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99,147, ATTACHMENT FOR PENS

99,148, DENNIS BUOY.

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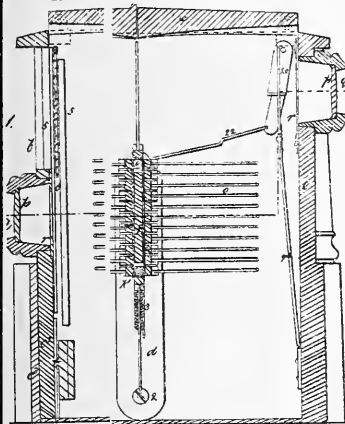


99,134, G. A. BECKER. FOUNTAIN-PENS.



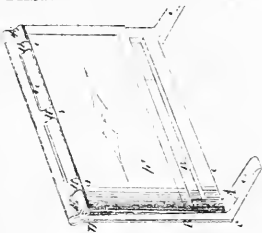
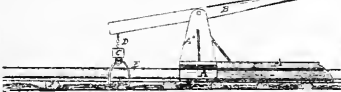
99,135, ALEX. BECKERS.

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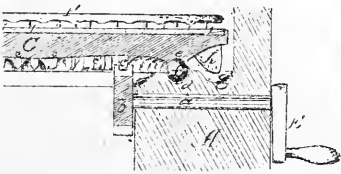
99,140, JOHN BLAND.

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99,141. E. BOIVIN AND D. LOISEAU  
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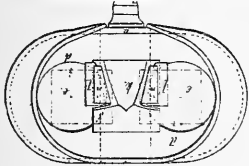
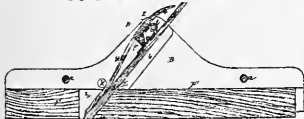
99,143. JOHN C. BREWSTER.

DESULPHURIZING-OVENS.



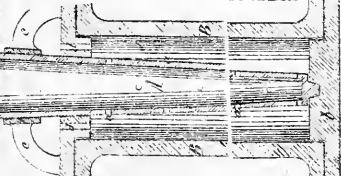
99,136, ALEX. BECKERS.

STEREOSCOPES

99,137, GEORGE CYRUS BECKWITH  
JOINERS' PLANES.

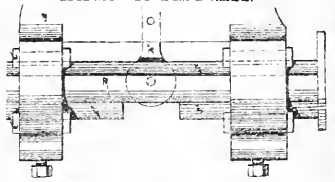
99,144. JOHN W. BRITIN.

CASTING HOLLOW CYLINDERS

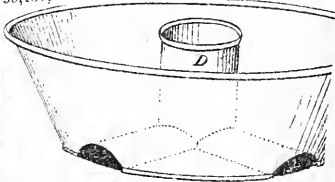


99,149, WM. BURKE.

IMPROVED DIE-PRESS.

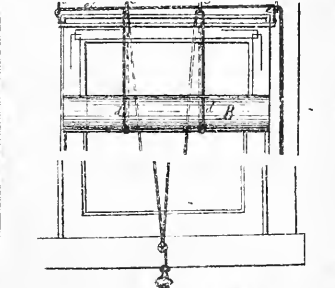


99,150, NELSON C. BURNAP. MILK-PANS.



99,151, JAMES WM. BURNS

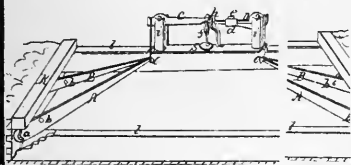
CURTAIN AND MAP-FIXTURE.



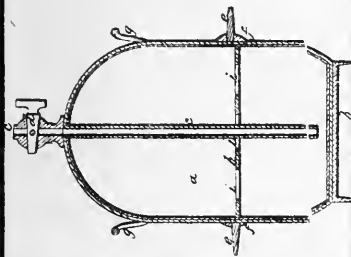




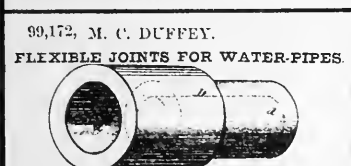
99,169, DANIEL H. DEWEY.  
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HAY OR CATTLE



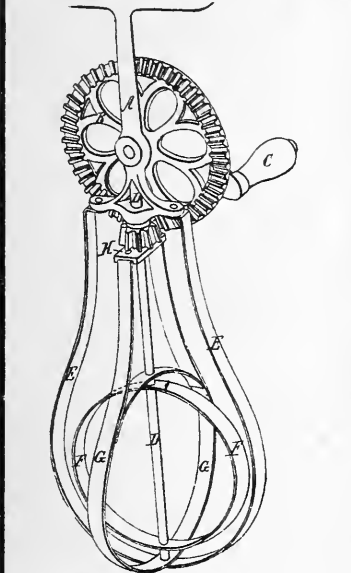
99,170, GUSTAVUS D. DOWS.  
SODA-FOUNTAINS.



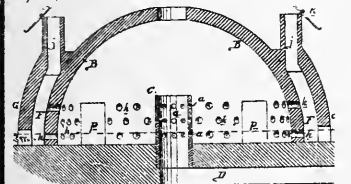
99,171, THOMAS M. DROWN.  
WATER-PROOF FABRIC.



99,173, TIMOTHY EARLE. EGG-BEATER.

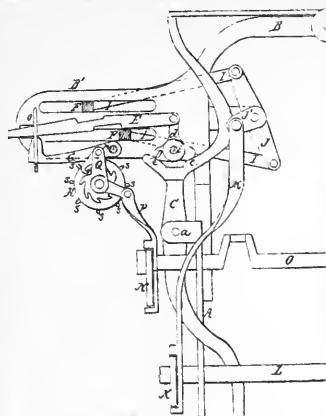


99,174, WILLIAM ENNIS. BRICK-KILNS.

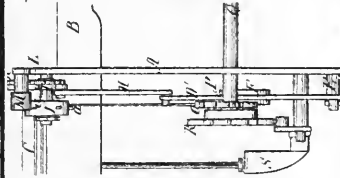


99,175, RECTIFYING  
WHISKEY DURING DISTILLATION.

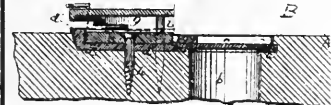
99,176, GEORGE S. FAULKNER.  
HARNESS-OPERATING  
MECHANISM FOR LOOMS.



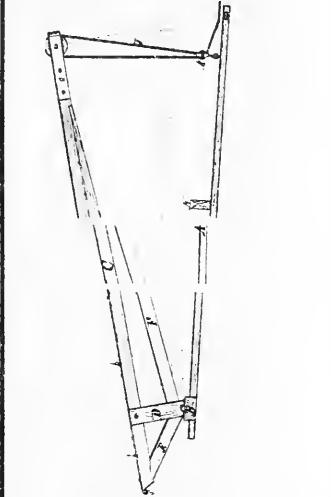
99,177, GEORGE S. FAULKNER. LOOM



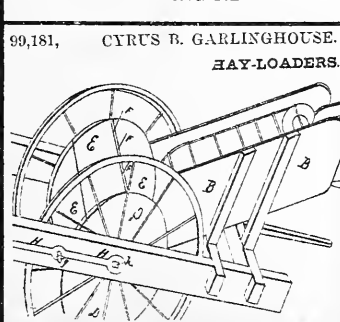
99,178, JOSEPH G. FOX.  
KEY-HOLE GUARD AND PROTECTOR.



99,179, HENRY M. FLANAGIN.  
LEVER AND STUMP-FULLER.

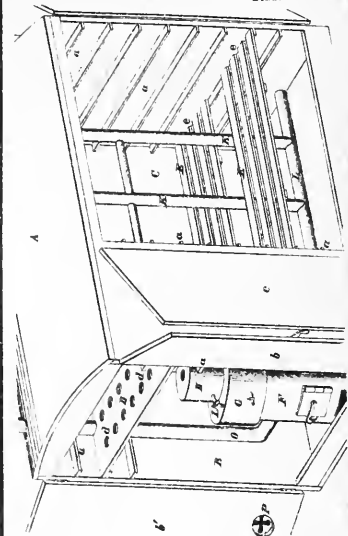


99,180, HENR. GAHN.  
PRESERVING MEAT.

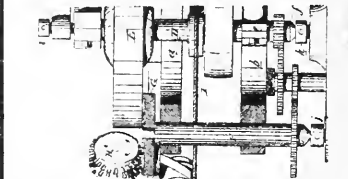


99,181, CYRUS B. GARLINGHOUSE.  
HAY-LOADERS.

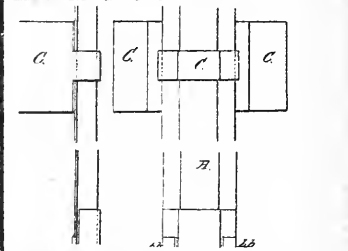
99,182, HENRY GARRETT. DRIER.



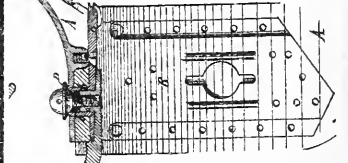
99,183, JOHN D. HALL. MACHINE FOR  
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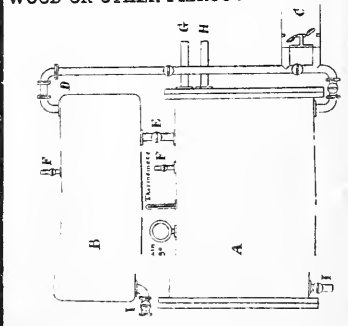
99,184, JAMES W. HANKENSON.  
LIGHTNING-RODS AND CONDUCTORS.



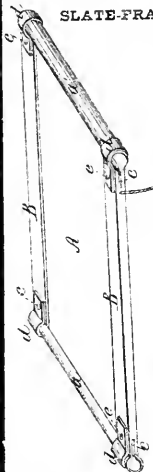
99,185, ROBT. HART.  
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99,186, HERMAN HAUPT.  
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WOOD OR OTHER FIBROUS MATERIAL.



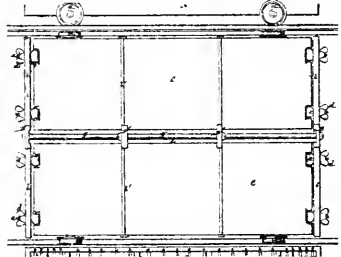
99,187, WILLIAM HERSEE.  
SLATE-FRAMES.



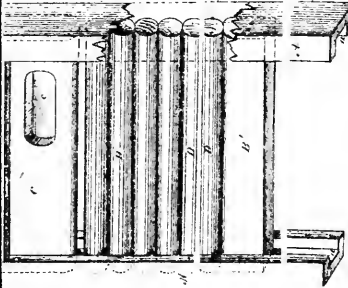
99,188, S. F. HESS.  
PACKING-CASE  
FOR TOBACCO.



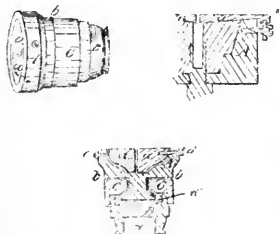
99,189, JOHN H. HIGGINS.  
APPARATUS FOR STEAMING YARN.



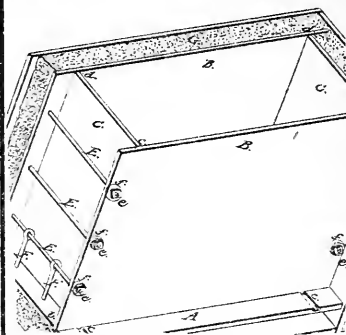
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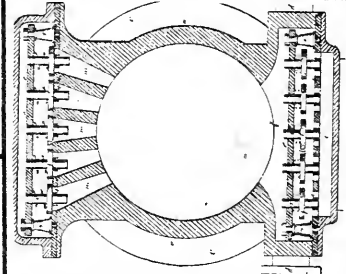
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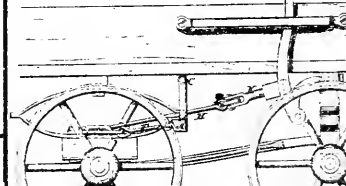
99,192, PETER S. HOE.  
BATTERIES FOR ELECTROTYPING.



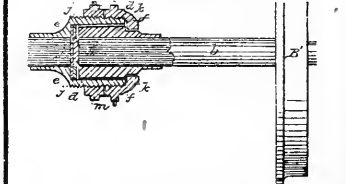
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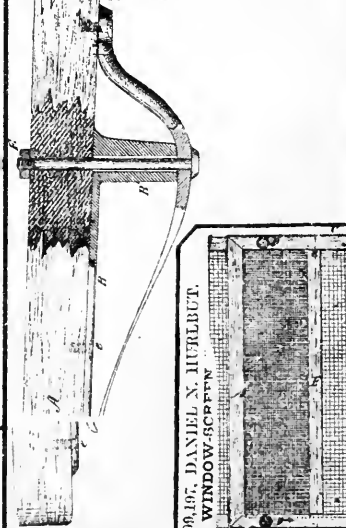
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WAGON-BRAKES



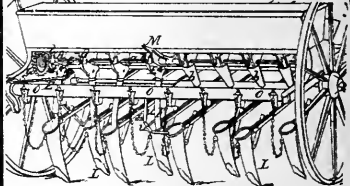
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RAILWAY-CAR AXLE.



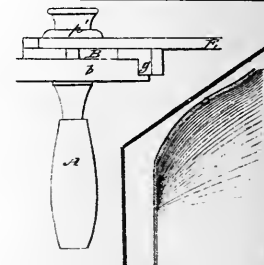
99,196, JAMESON HUNLOCK.  
HOLDBACK FOR CARRIAGES.



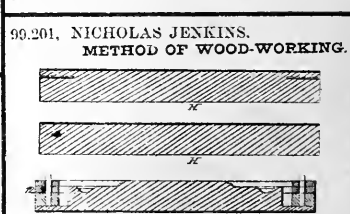
99,198, JOSEPH INGELS.  
GRAIN-DRILL AND BROADCAST-SOWER



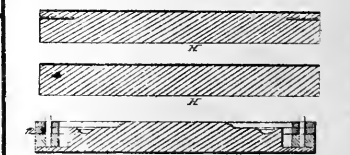
99,199, SIMON INGERSOLL.  
FRICTION CLUTCH.



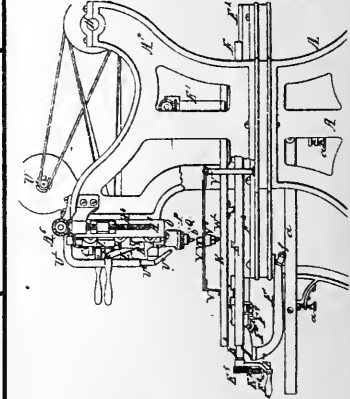
99,200, JOHN W. JARROE.  
PAPER PAN, BOWL, BOX  
AND DISH.



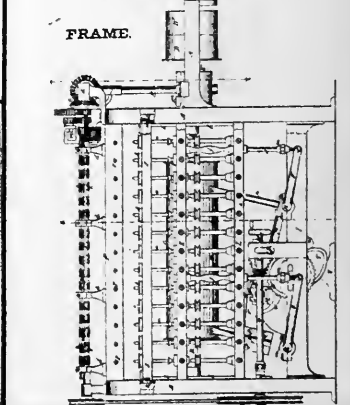
99,201, NICHOLAS JENKINS.  
METHOD OF WOOD-WORKING.



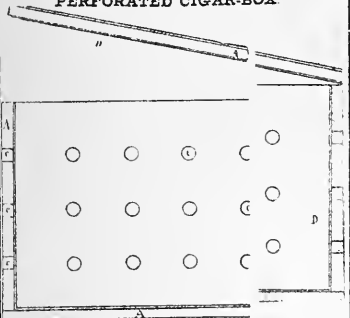
99,202, NICHOLAS JENKINS.  
VARIETY-MOULDING MACHINE.



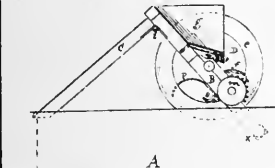
99,203, BARTON H. JENKS.  
RING SPINNING-  
FRAME.



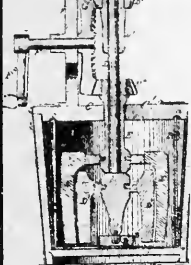
99,204, RALPH S. JENNINGS.  
PERFORATED CIGAR-BOX.



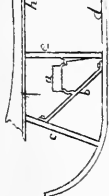
99,205, JAMES J. JOHNSTON.  
MILLS FOR GRINDING CORN.



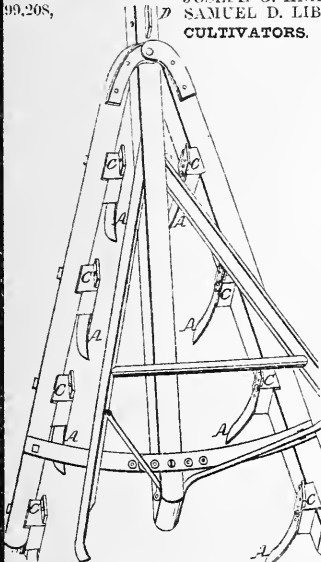
99,206, JOSEPH B. JOHNSTON.  
CHURNS.



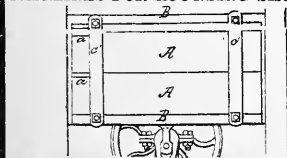
99,207,  
C. P. KIMBALL.  
SZEIGHS.



99,208, JOSEPH G. KNAPP,  
SAMUEL D. LIBBY.  
CULTIVATORS.



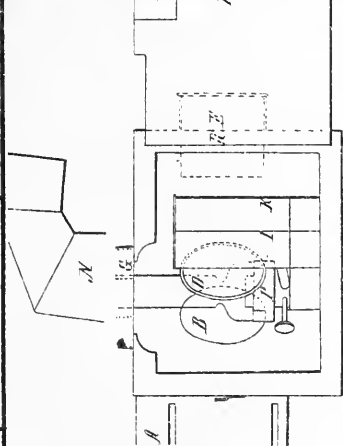
99,209, CHARLES KOEHLER.  
MACHINES FOR ROUNDING SHOT.



99,210, A. KOMP.  
RAILWAY-CAR WHEEL.

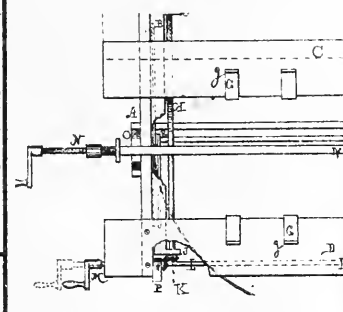


99,211, A. KRÜSS.  
MAGIC LANTERN.



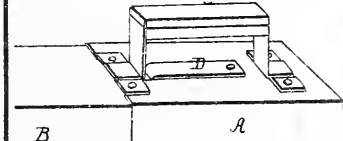
99,212, J. S. LADOW.

CLAMP.



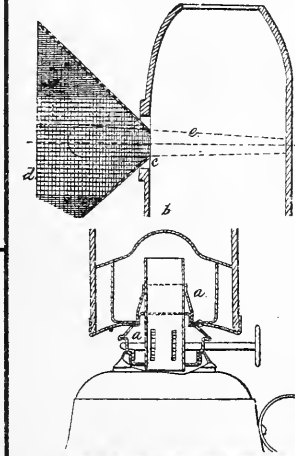
99,213, ELLIOT LEWIS.

SAD-IRON HEATER.

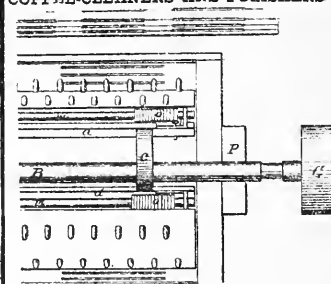


99,214, W. H. LEWIS.

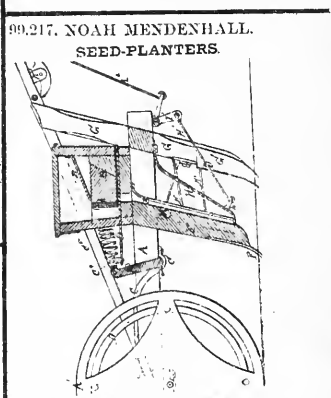
DEVICE FOR DESTROYING INSECTS.



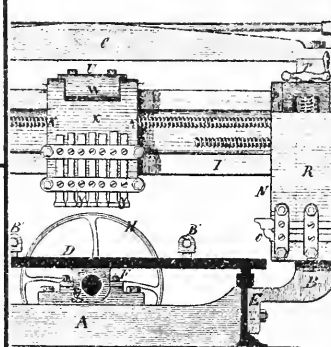
99,215, H. C. LOCKWOOD.  
COFFEE-CLEANERS AND POLISHERS.



99,216, OLIVER T. MAY.  
NON-CORROSIVE METALLIC ROOFING.

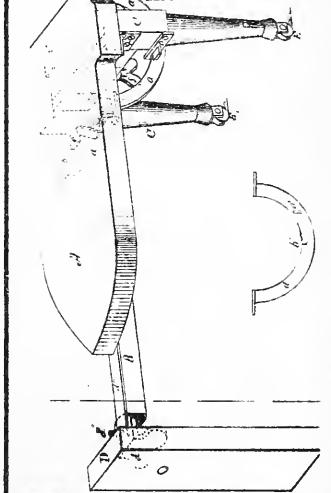


99,218, ANDREWS T. MERRIMAN.  
STONE-PLANING MACHINE.

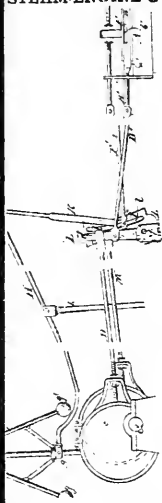


99,219, SAMUEL MERRITT.

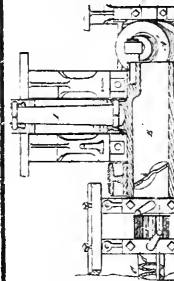
IRONING-TABLE.



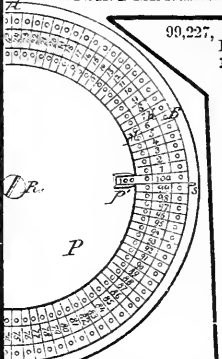
99,220, GEO. MILBANK.  
STEAM-ENGINE-GOVERNOR CUT-OFFS.



99,221,  
J. MONTGOMERY  
ROLLING-MILL.



99,226, H. PARMELEE.  
ADDING-MACHINE.



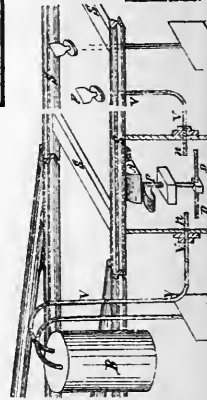
99,227, C. PARTRIDGE  
PRESTON.  
POST-AUGERS.



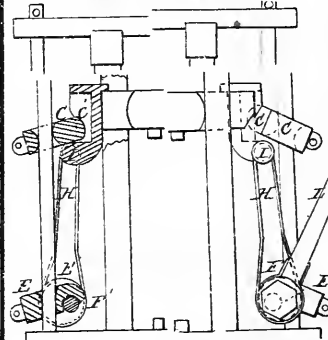
99,232, DANIEL R. PRATT.  
SPRING-NUT.



99,233, T. A. B. PUTNAM.  
RAILROAD-SWITCH  
ELECTRO-MAGNETIC  
ALARMS.



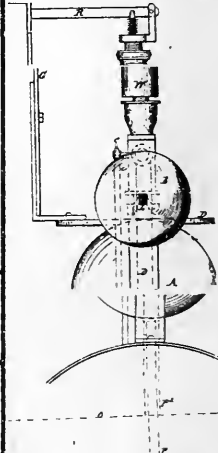
99,228, I. N. PATTEN.  
D. G. MARDEN.  
HAY AND COTTON-PRESSES.



99,222, JORDAN L. MOTT.  
BOILER-STAND.

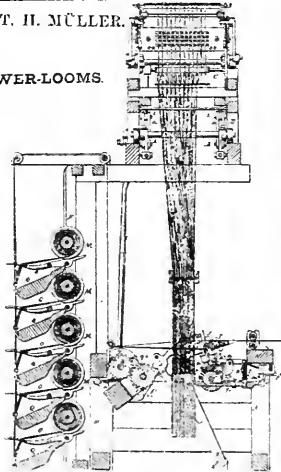


99,234, ROBERT BERRYMAN.  
LOW-WATER INDICATOR AND  
FEED-WATER REGULATOR.

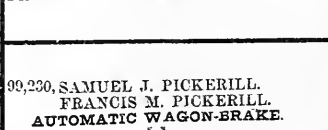


99,223, T. H. MÜLLER.

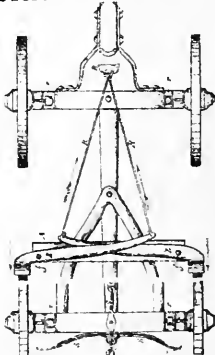
POWER-LOOMS.



99,229, DORWIN DORMAN PENNOYER.  
PAINT OR COATING FOR ROOFS.



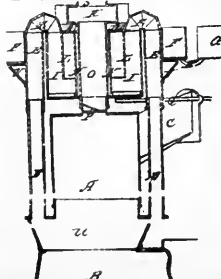
99,230, SAMUEL J. PICKERILL.  
FRANCIS M. PICKERILL.  
AUTOMATIC WAGON-BRAKE.



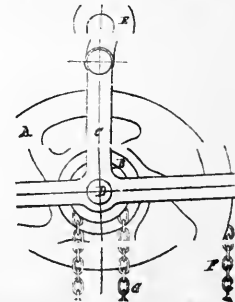
99,224, JUNIUS S. NORTON.  
POCKET-SAFES FOR  
FRICTION-MATCHES.



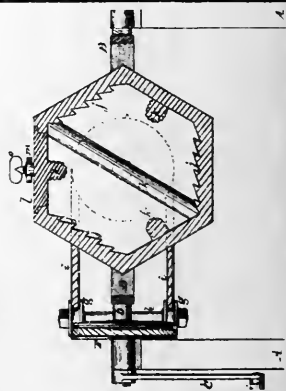
FRANK Z. OBERMEYER.  
99,225, WILLIAM HALLE.  
BASE-BURNING STOVES.



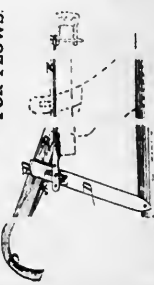
99,231, JONATHAN PICKERING.  
APPARATUS FOR RAISING AND  
LOWERING WEIGHT

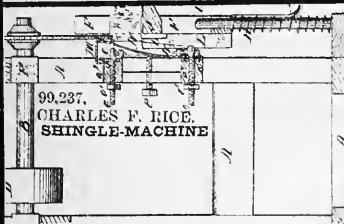
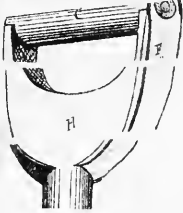
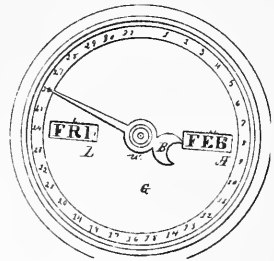
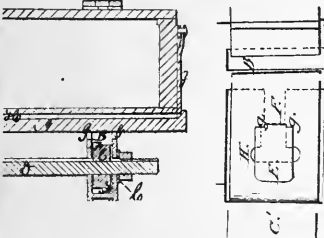
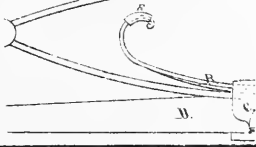
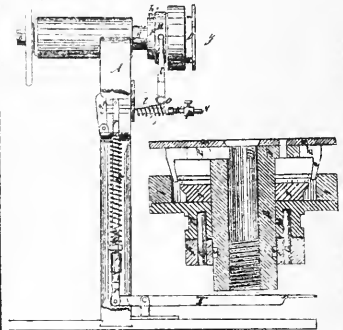
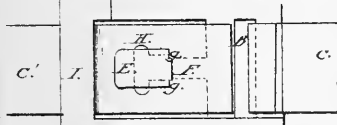
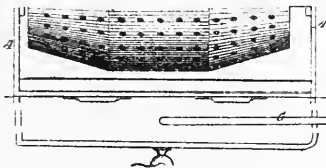
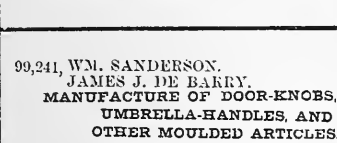
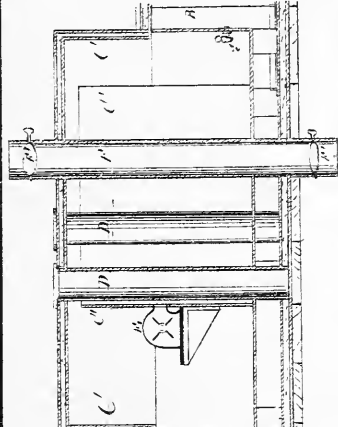
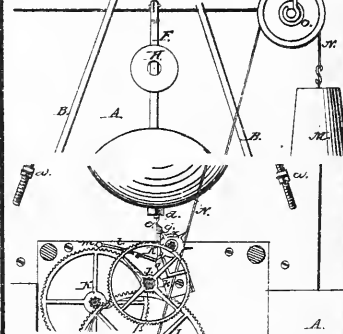
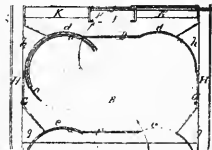


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WASHING-MACHINE

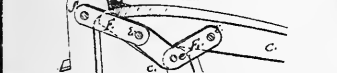


99,236, A. A. RHODES.  
WILEY TASH.  
PULVERIZING-ATTACHMENT  
FOR FLOWS.

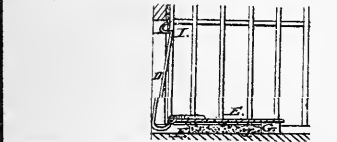
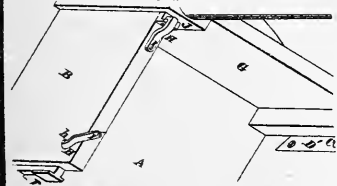


99,247, JOHN L. SHAW.  
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CLOCK-CALENDARS.99,238, JOHN L. RITER.  
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JAMES J. DE BARRY.  
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PAINT-BRUSH.99,261, THOS. THOMPSON.  
CLOCKS.99,262, WM. H. TOWERS.  
WATER-PROOF SHOES.99,263, S. CURTIS TRUBEE.  
WINDOW-BUTTONS.99,264, CHARLES VAN DE MARK  
COOKING-STOVE.

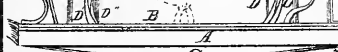
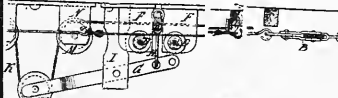
99,243, O. S. SANFORD. NECK-YOKES.

99,244, BENJAMIN SCHOPP.  
CHRISTIAN SCHOPP.  
LIFTING-JACKS.

99,245, H. SEEHAUSEN. ANIMAL-TRAP.

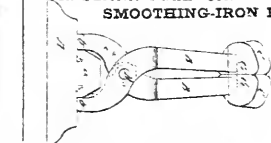
99,246, T. J. SHANNON.  
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99,255, I. W. SPEYER. FERTILIZERS.

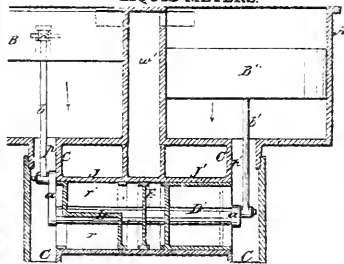
99,256, B. W. SQUIRES.  
CHAS. M. CLINTON.  
ATTACHMENT FOR HARVESTERS.  
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RAILWAY-CAR BRAKES.



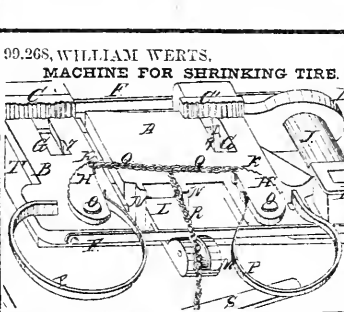
99,265, THEODORE VAN TASSELL.  
R. STARR POLLOCK.  
SMOOTHING-IRON HANDLE.



99,266, FRANZ WAGNER.  
LIQUID-METERS.



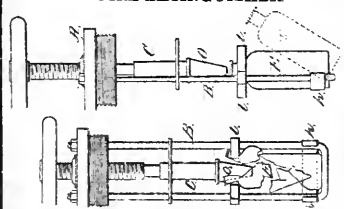
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ROOFING-MATERIAL.



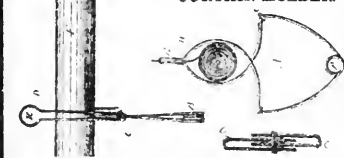
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LATHE-DOG.



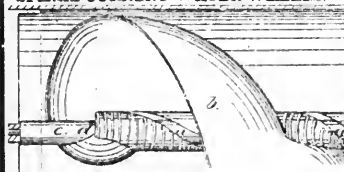
99,270, C. G. WHEELER.  
FIRE-EXTINGUISHER.



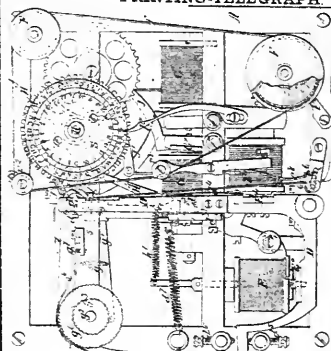
99,271, GEO. W. YOUNT.  
P. P. REISTER.  
A. L. KEEFORS.  
WILLIAM YOUNT.  
CURTAIN-HOLDER.



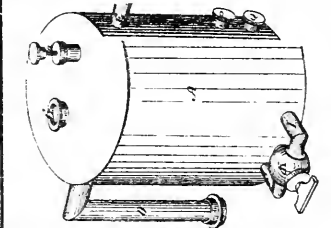
99,272, JOHN ZIMMERMAN.  
SPIRAL-CURRENT WATER-WHEELS.



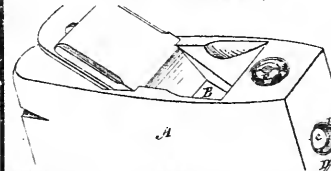
99,273, S. S. LAWS.  
PRINTING-TELEGRAPH.



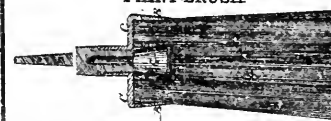
99,274, JAMES F. SPENCE.  
JOVIAS D. TOWSLEY.  
APPARATUS FOR CARBURETTING AIR.



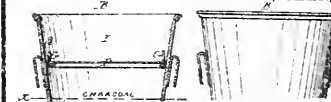
99,275, LOUIS D. TREDWAY.  
BENCH-PLANE.



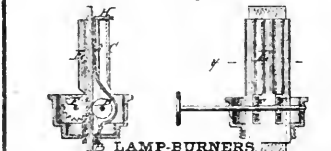
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PAINT-BRUSH.



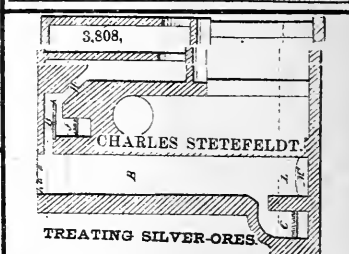
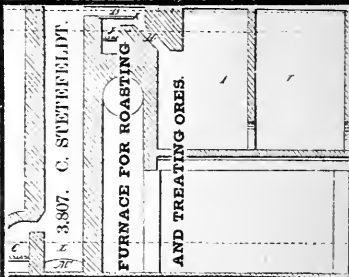
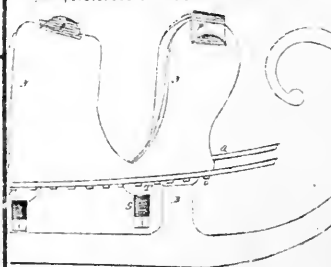
3,804, JAMES McCORMICK.  
BREWING ALE, BEER.



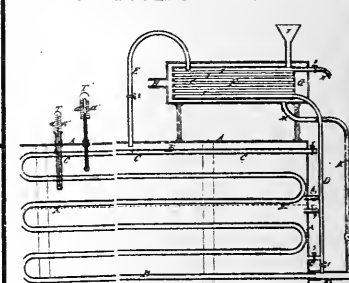
3,805, WILLIAM F. RIPPON.  
GEO. A. JOHNSON.  
LAMP-BURNERS.



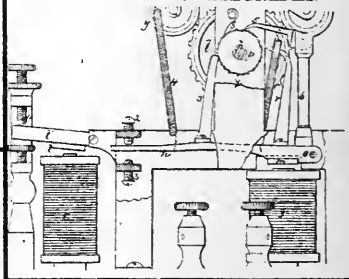
3,806, HARSHAW SCOTT. SKATES.



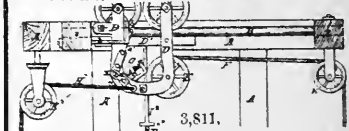
3,809, H. L. STUART.  
STEAM-GENERATORS.



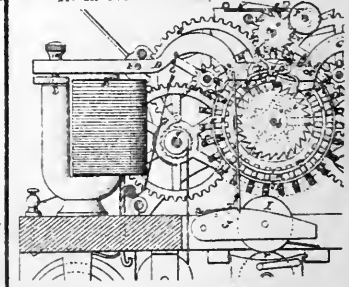
3,810, GEO. R. FIELD.  
H. L. HOTCHKISS.  
PRINTING-TELEGRAPHS.



A. LOOMIS. HOISTING-APPARATUS.



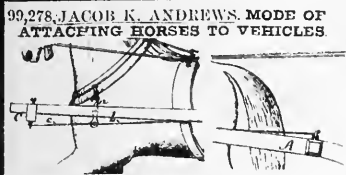
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3,812, GEO. B. FIELD.  
H. L. HOTCHKISS.  
PRINTING-TELEGRAPHS.



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FEBRUARY 1, 1870.

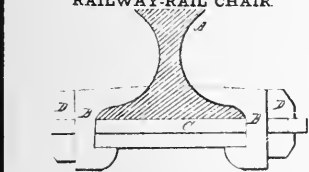
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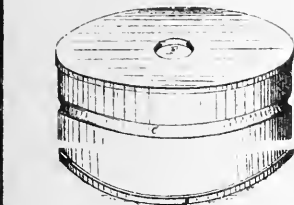
99,278, JACOB K. ANDREWS. MODE OF  
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99,279, RICHARD ANTHONY.  
RAILWAY-RAIL CHAIR



99,280, L. AUSTIN.  
J. E. HALL. POWDER-KEG



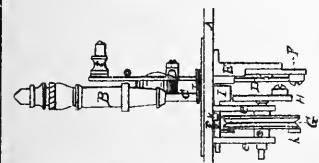
99,281, SAMUEL BABBITT.  
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99,282, EDW. T. BALCH, M. D.  
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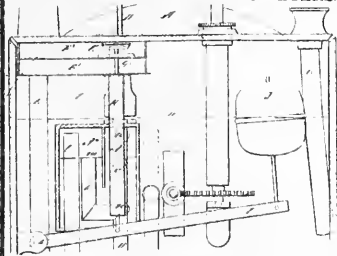
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SEWING MACHINE.



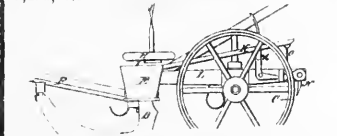
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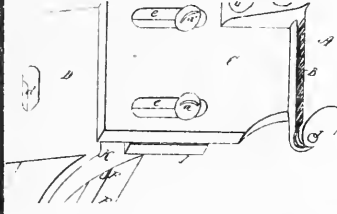
99,285, THOMAS BRATTAN  
GAS-METERS.



99,286, GEO. W. BROWN. SEED-PLANTER.



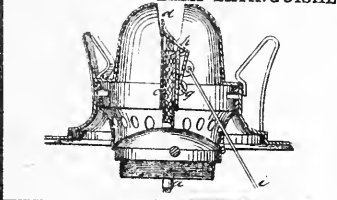
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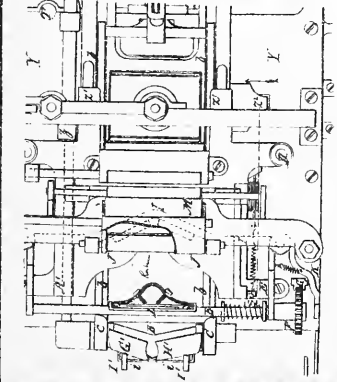
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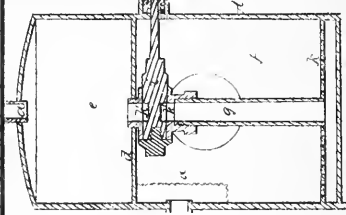
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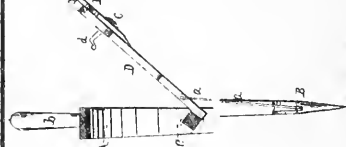
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ENVELOPE-MACHINES.



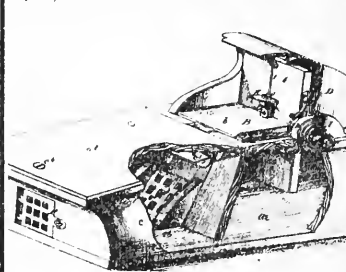
99,291, J. H. CLARK APPARATUS  
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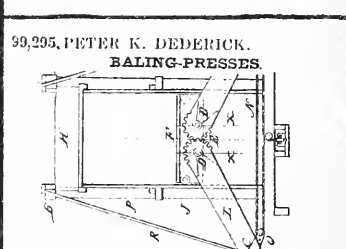
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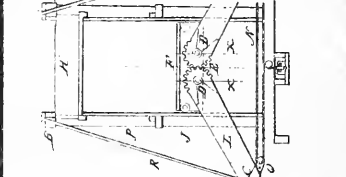
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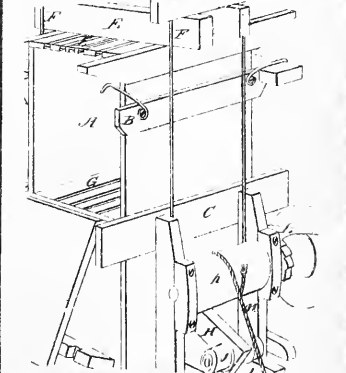
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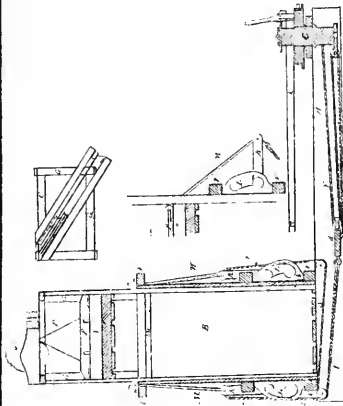
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BALING-PRESSES.



99,296, PETER K. DEDERICK.  
BALING-PRESSES.



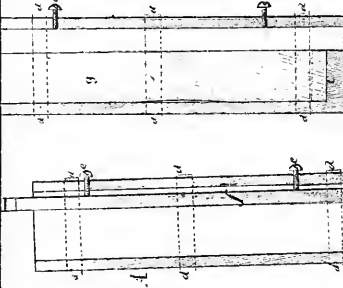
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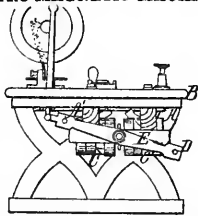
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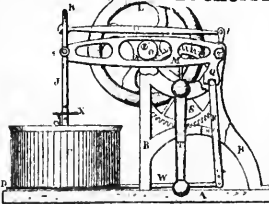
99,299, PATRICK DOYLE  
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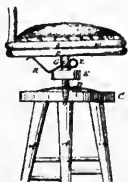
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ELECTRO-MAGNETIC MACHINES.



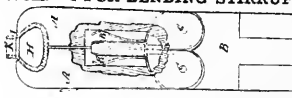
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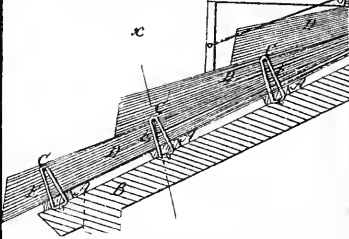
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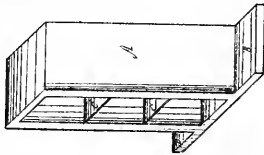
99,303, DEMSEY FOREST.  
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99,304, LIONEL FOSTER. THATCH ROOF.

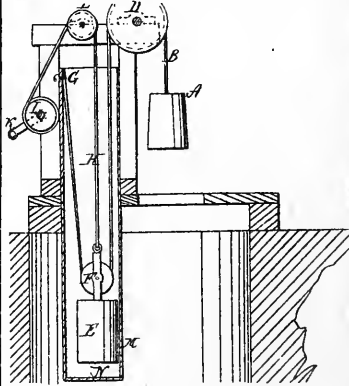


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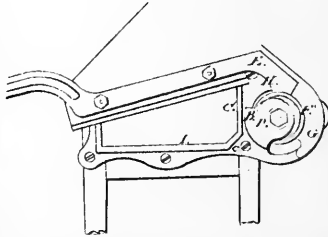


99,306, SMITH GARDNER.  
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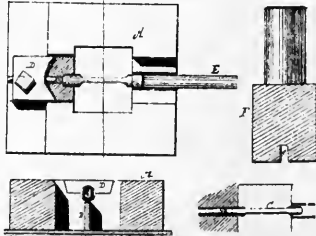
99,307, J. L. GARLINGTON.  
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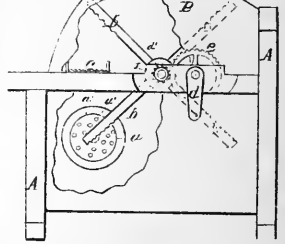
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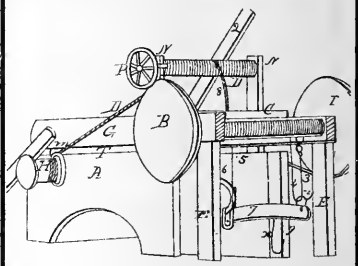
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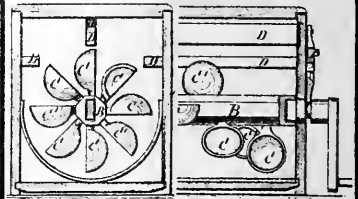
99,310, E. W. GRIFFIN.  
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99,311, ALBERT GUMMER.  
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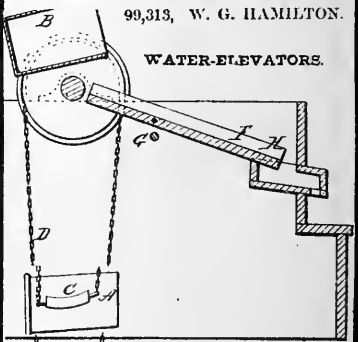


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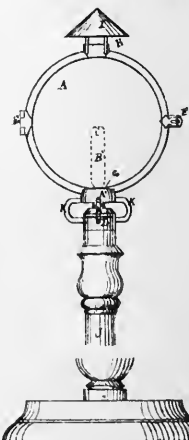


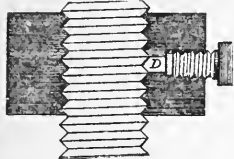
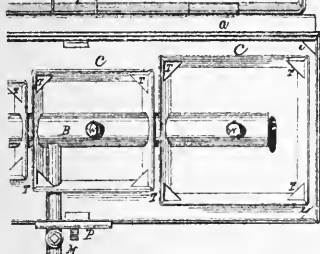
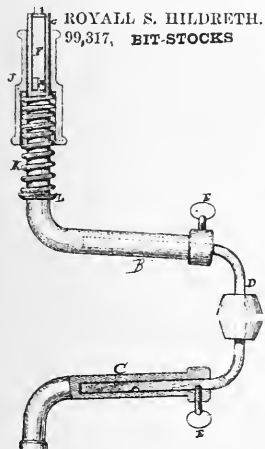
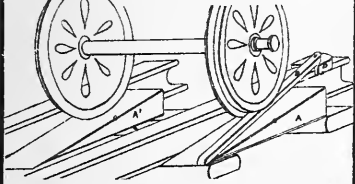
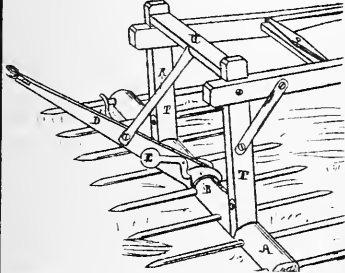
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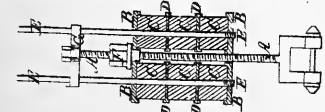
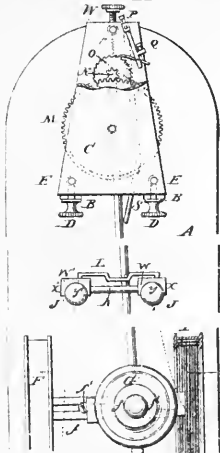
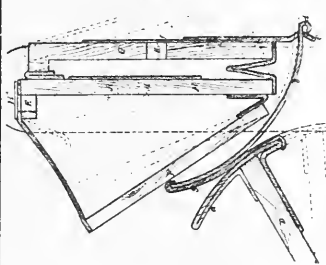
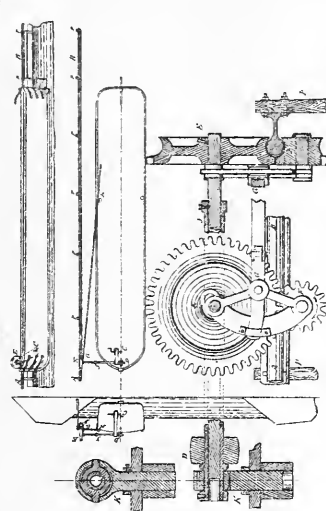


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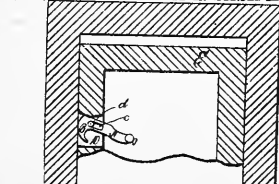
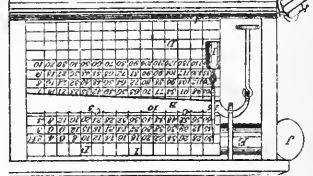
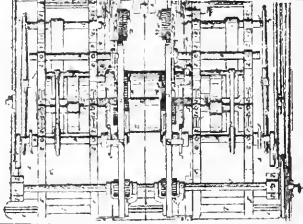


99,315, GARET G. HEERMANCE.  
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99,317, BIT-STOCKS99,318, HORACE H. HOLMES.  
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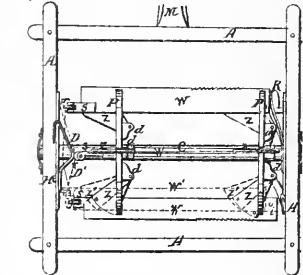
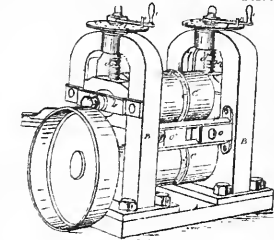
99,320, J. E. JONES. ELASTIC LANYARDS.

99,321, SAMUEL A. KENNEDY.  
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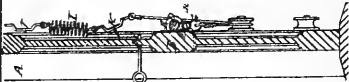
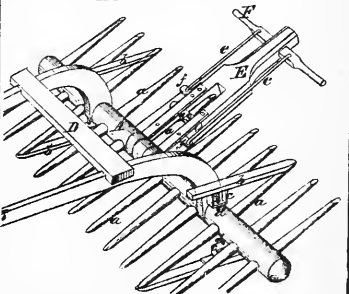
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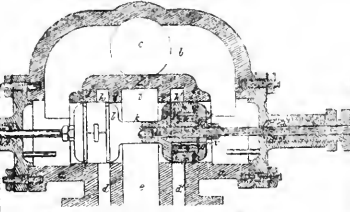
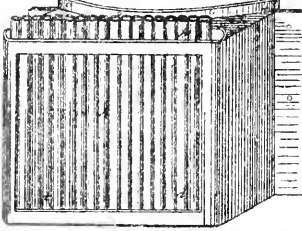
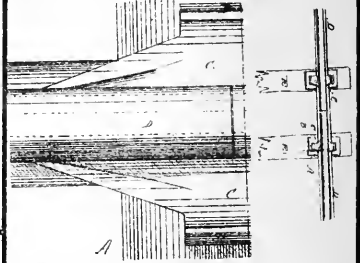
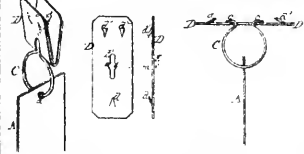
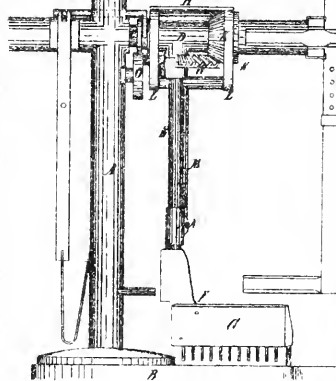
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99,328, JOEL LEE. STALK-CUTTERS.

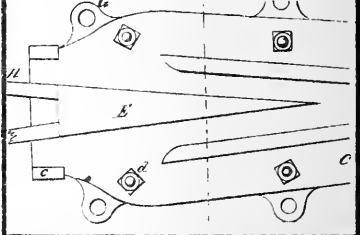
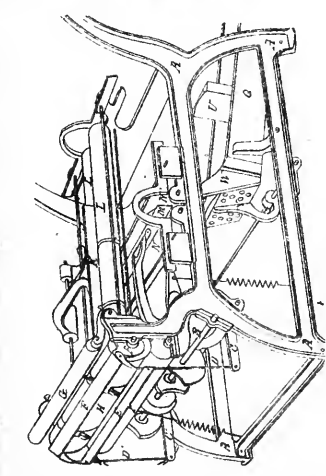
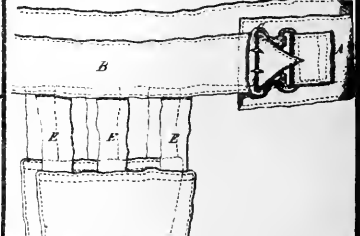
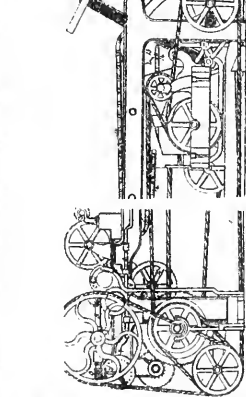
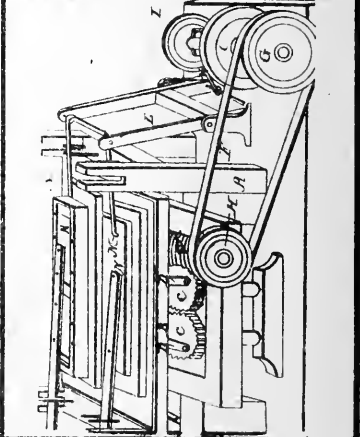
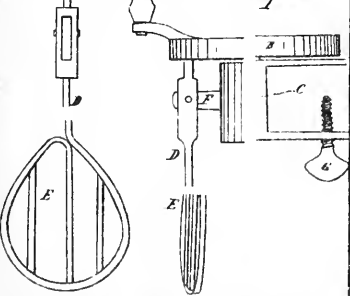
99,329, W. S. LEVAK.  
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99,330, JACOB LEVY. BOLTS FOR DOORS.

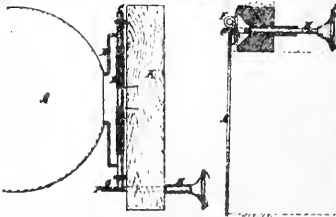
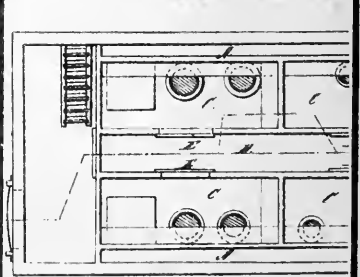
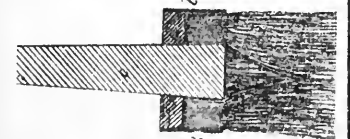
99,331, WILLIAM H. LONG.  
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99,333, JOSEPH MARKS.  
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99,346, D. C. PIERCE. RAILWAY-FROG.

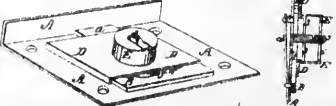
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99,344, N. PEIRE.

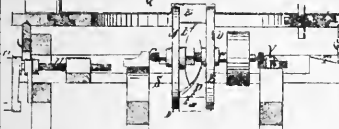
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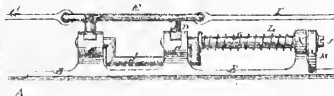
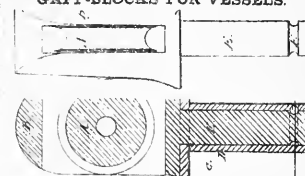
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W. G. RAUL. GROOVING-MACHINE

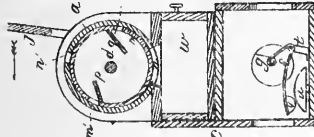


99,357. ALEXANDER SHALER.

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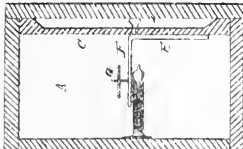
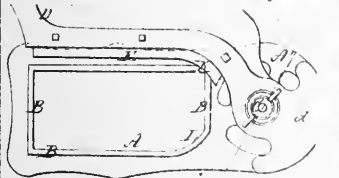
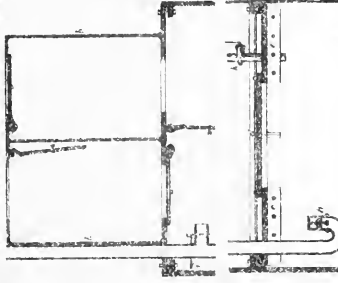
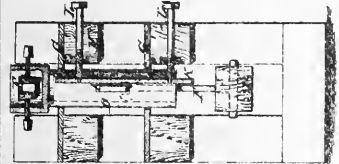
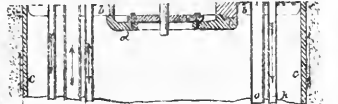
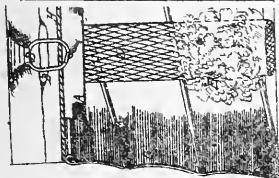
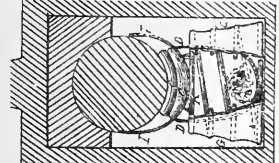
99,362 CHRISTOPHER D. SMITH.  
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99,351.

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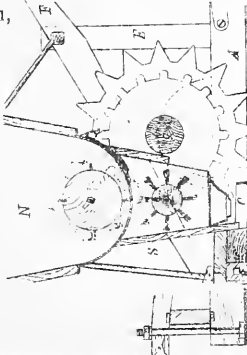
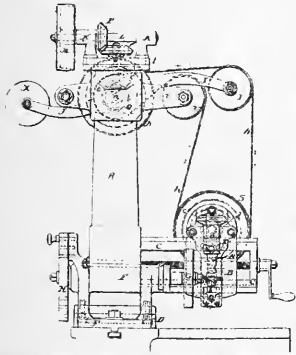
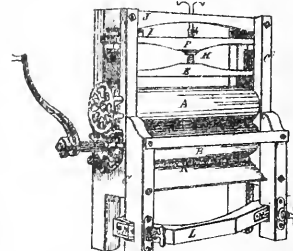
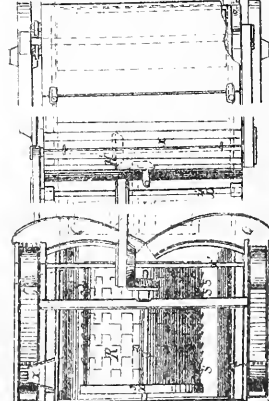
99,358. GEO. W. SHAW.

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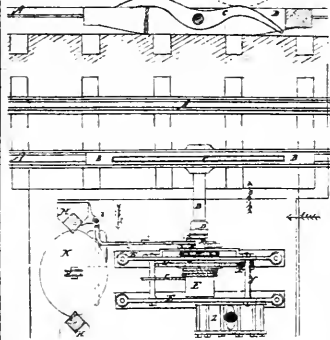
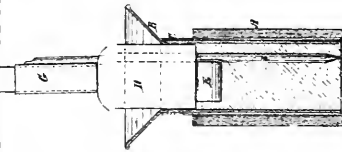
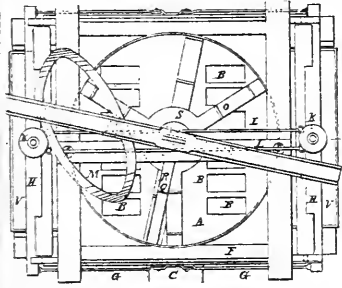
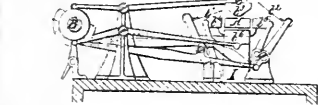
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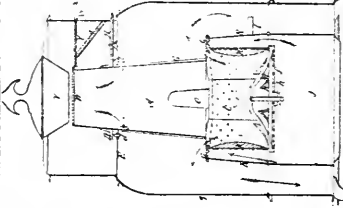
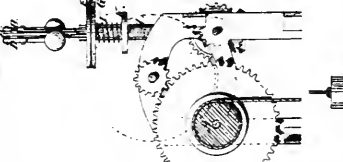
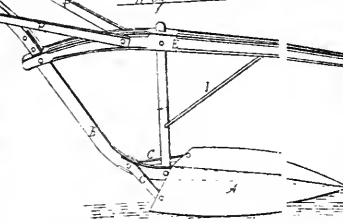
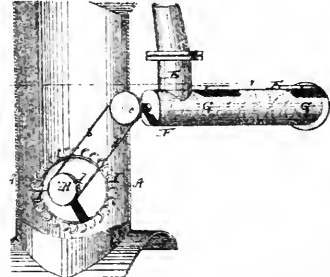


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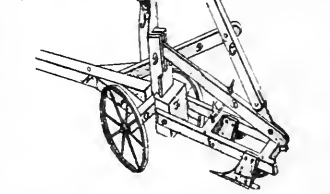
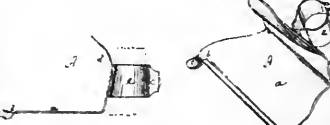
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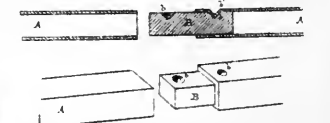
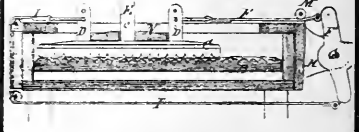
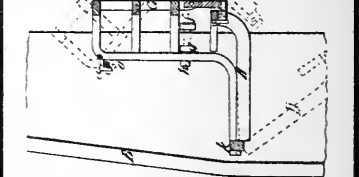
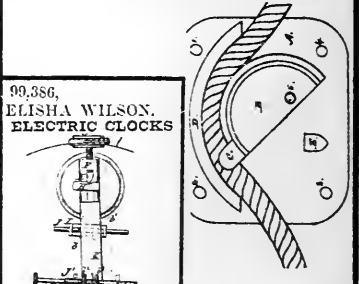
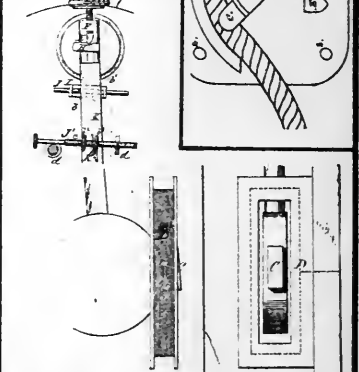
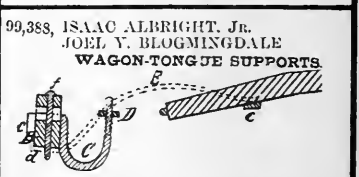
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99,375, HENRY B. VAN BENTHUYSEN.  
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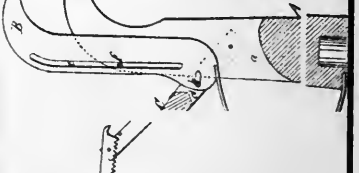
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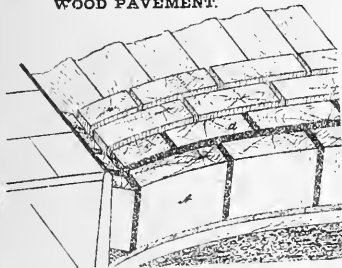
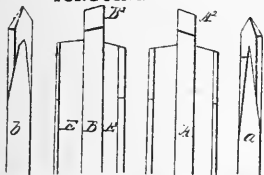
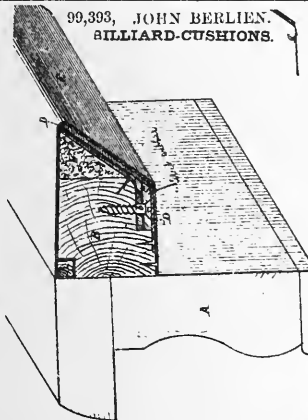
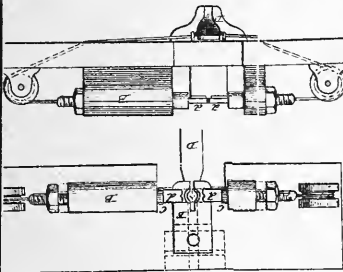
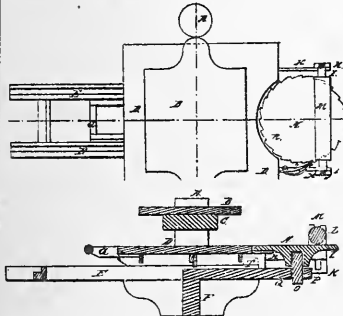
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99,381, J. D. WEST. LIGHTNING-RODS.

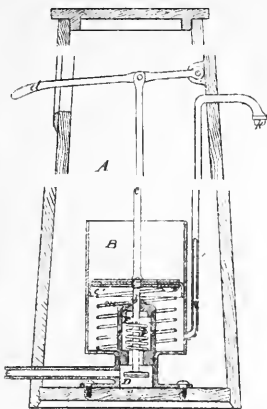
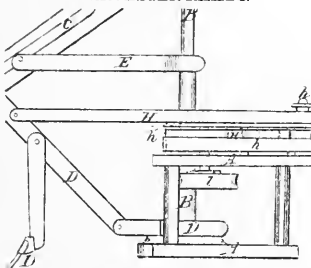
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99,389, A. M. ALLEN. AUTOMATIC TOY.

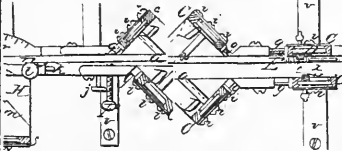
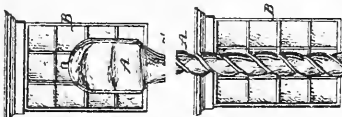
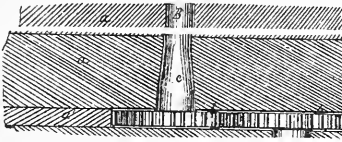
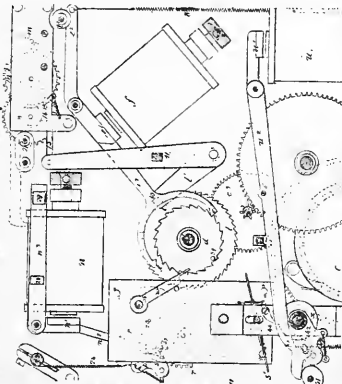
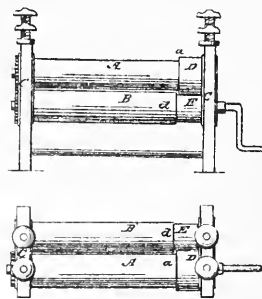
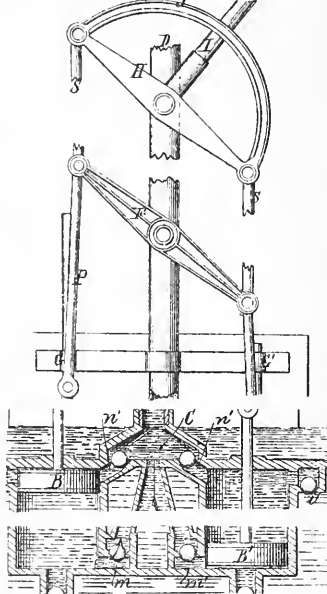
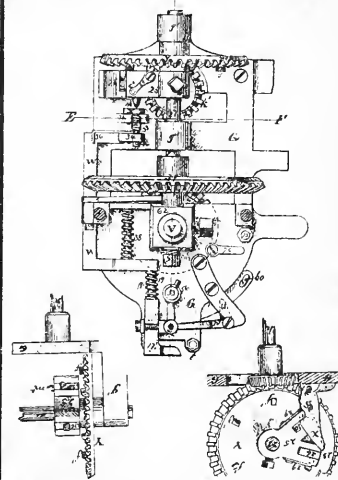
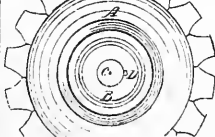
99,390, HENRY ALTER.  
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99,391, WILLIAM W. BALLARD.  
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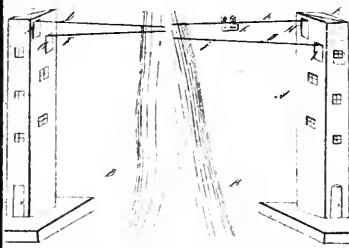
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99,397, CYRUS BUCKWALTER.  
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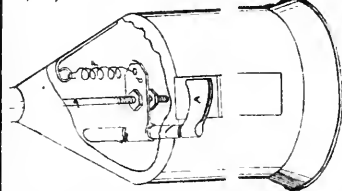
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99,399, WILLIAM BURDITT FIRE-ESCAPE.  
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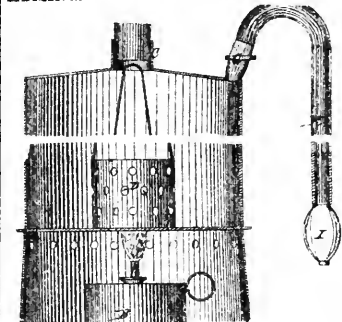
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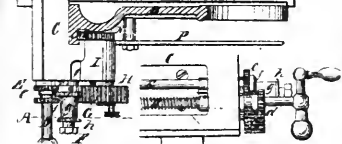
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99,408, J. C. COOK. APPARATUS FOR  
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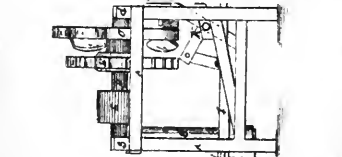
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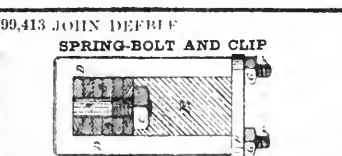
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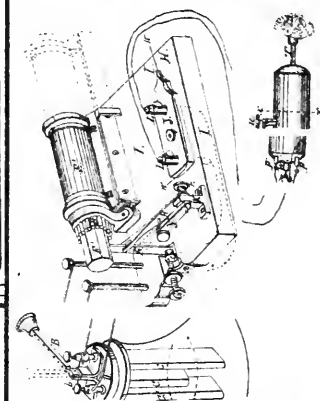
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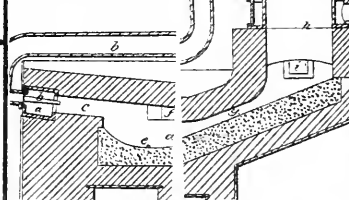
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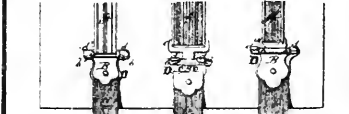
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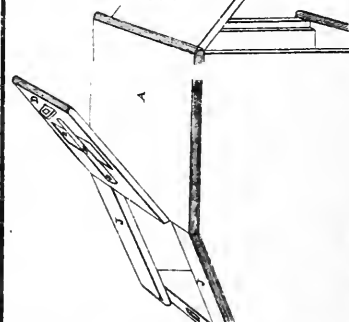
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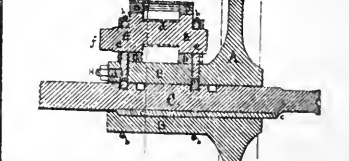
99,416 THEODORE R. DUNHAM.  
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99,417,  
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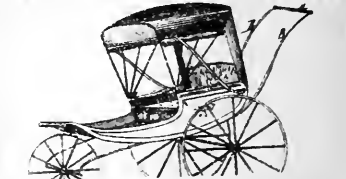
99,418 RICHARD EATON.  
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99,419, GEO. M. ECKERT.  
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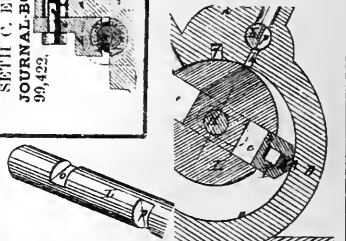
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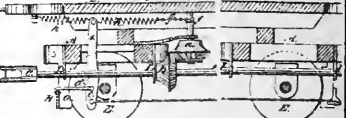
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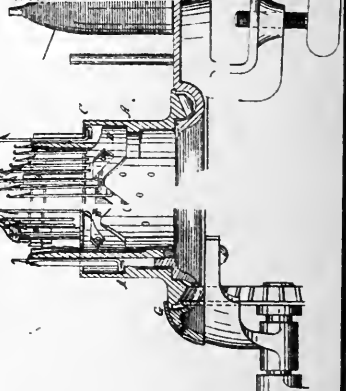
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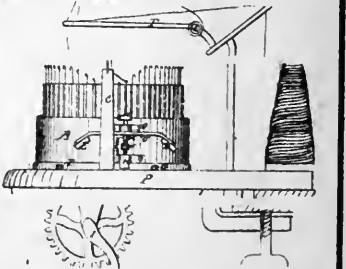
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99,425. W. FRANZ AND W. POPE.  
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99,426 W. FRANZ AND W. POPE.  
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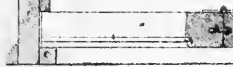


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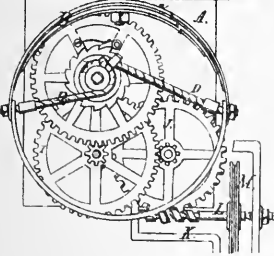
99,428, C. D. P. GIBSON. ATTACHING  
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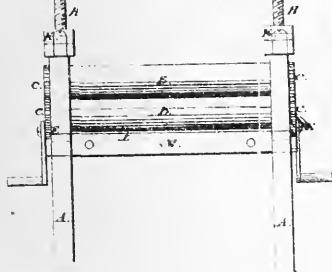
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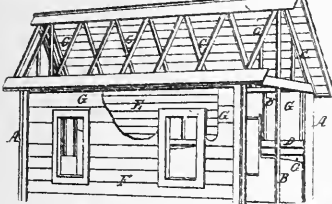
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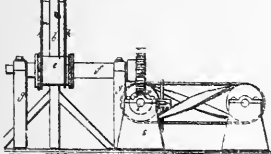
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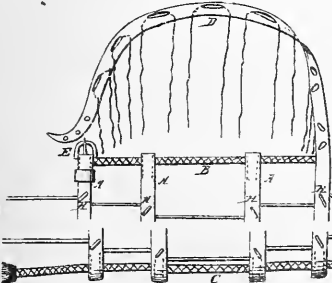
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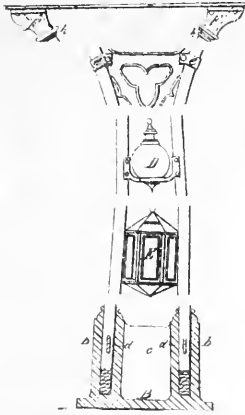
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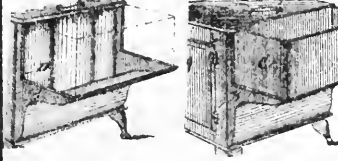
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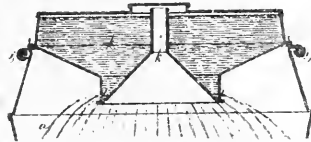
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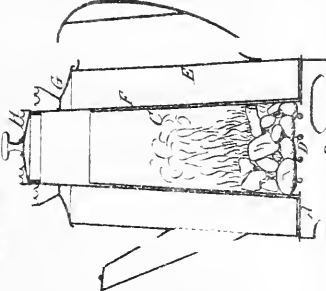
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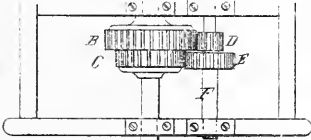
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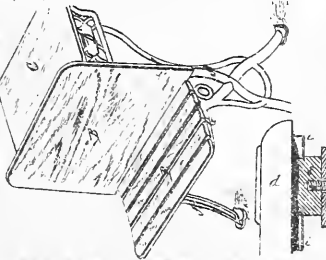
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99,439, M. G. HUBBARD.  
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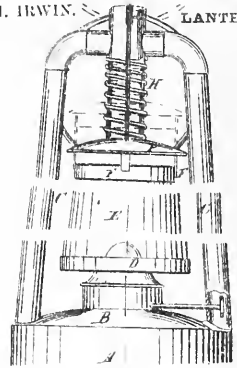
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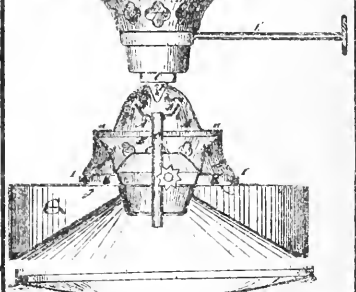
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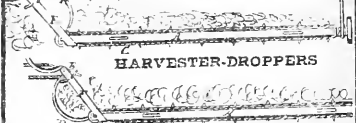
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99,442.



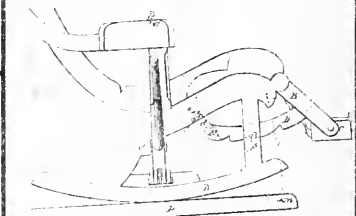
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99,444, CYRENEUS D. JEFFRIES.



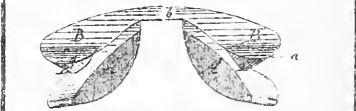
99,445, LILAS JENSEN. ROCKING-CHAIR.



99,446, DEDRICK JORDAN.  
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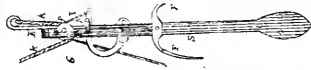
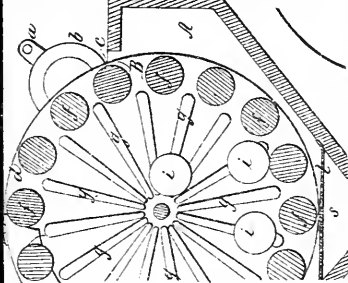
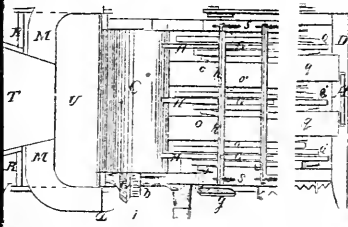
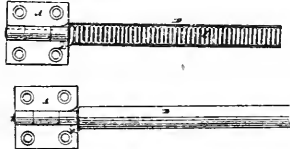
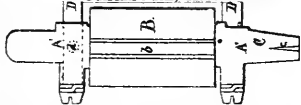
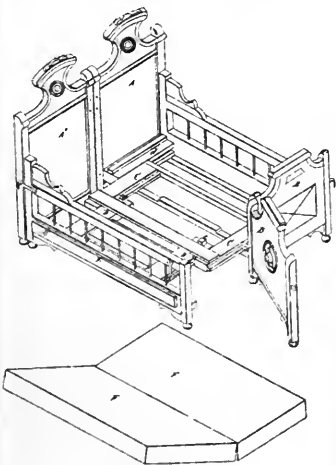
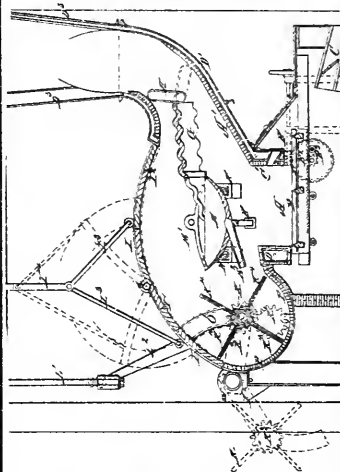
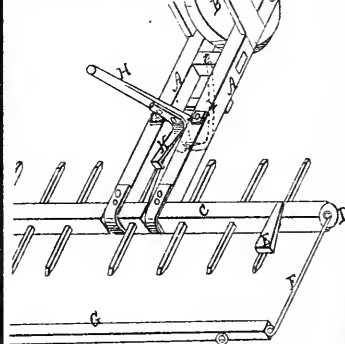
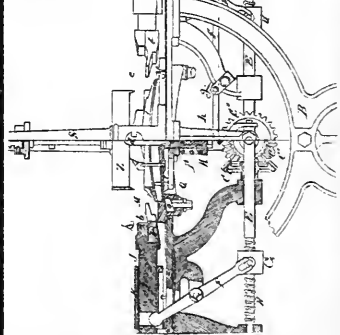
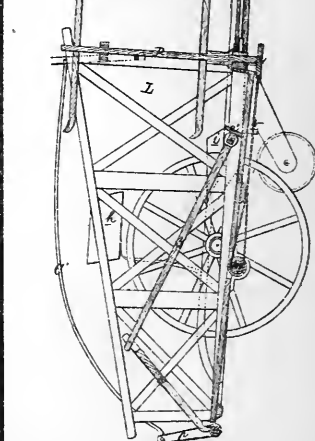
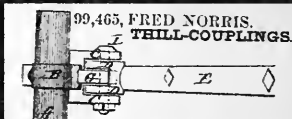
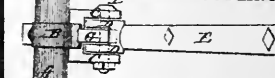
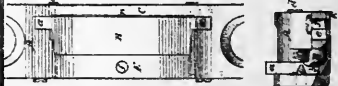
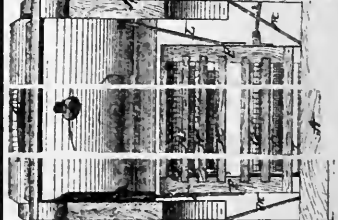


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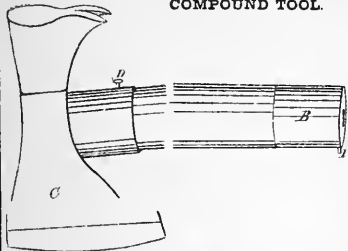
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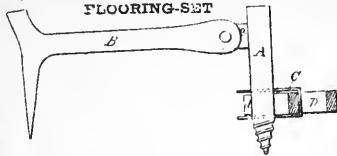
99,449, JAMES E. LOBDELL.  
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**TEETH FOR GRAIN-DRILLS**99,468, HENRY A. PEASE.  
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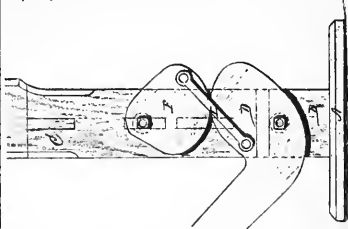
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COMPOUND TOOL.



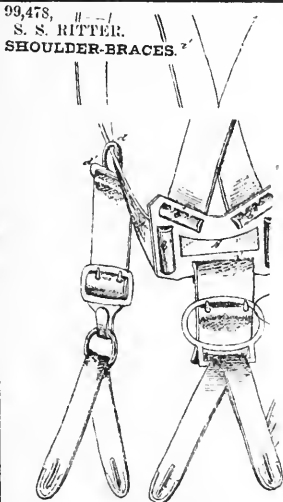
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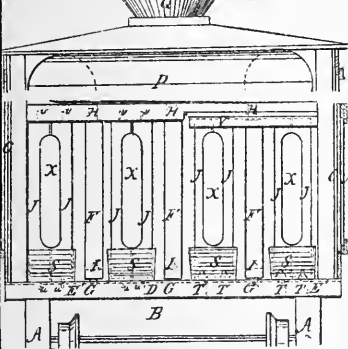
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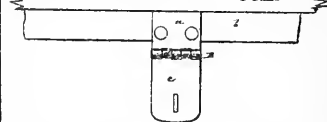
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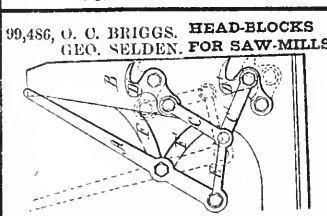
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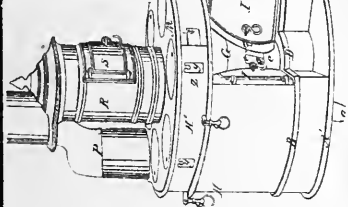
99,484, A. V. RYDER.  
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99,472, JOSEPH F. POND. SELF-FEEDING  
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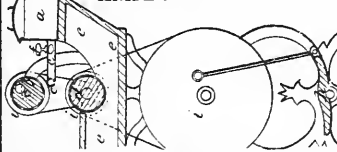


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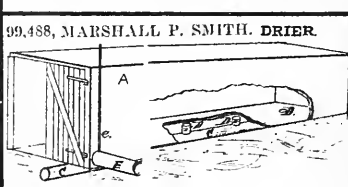
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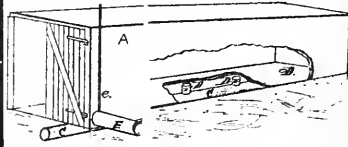
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99,487, GIBSON SMITH.  
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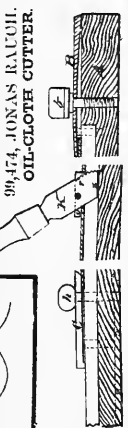
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99,473, DANIEL R. PRATT.  
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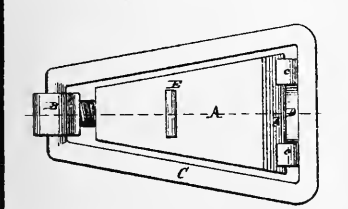
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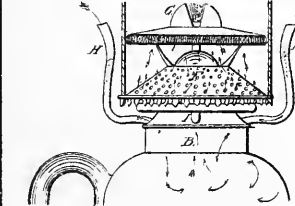
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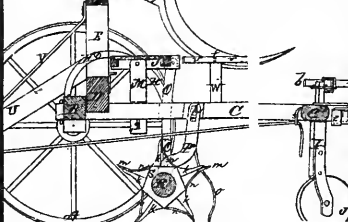
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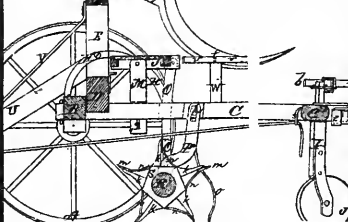
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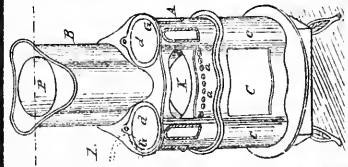
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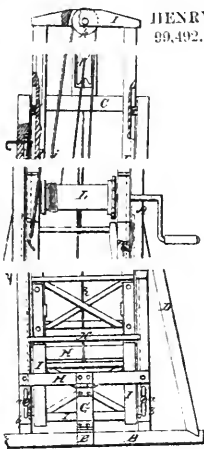
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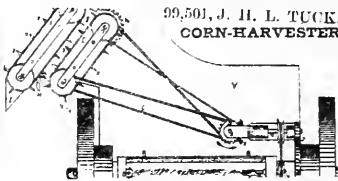
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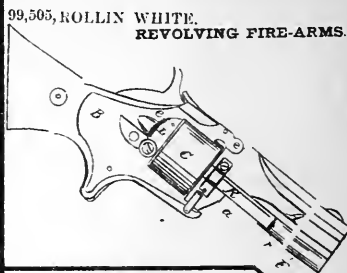




HENRY SWINEFORD.  
99,492. SCAFFOLDS.

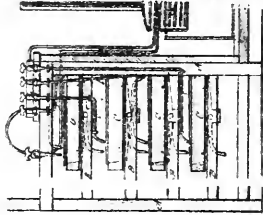


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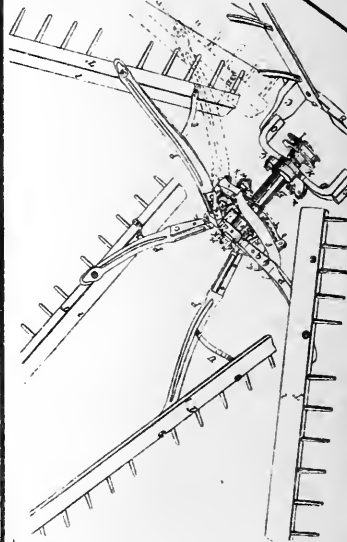


99,503, ROLLIN WHITE.  
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99,502, ISHABOD E. TUTTLE.  
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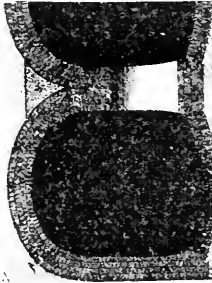


99,506, WM. N. WHITELEY.  
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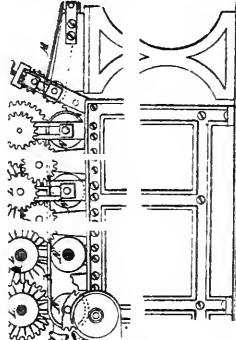


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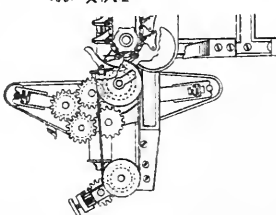
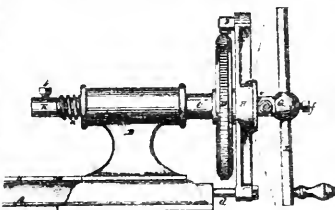
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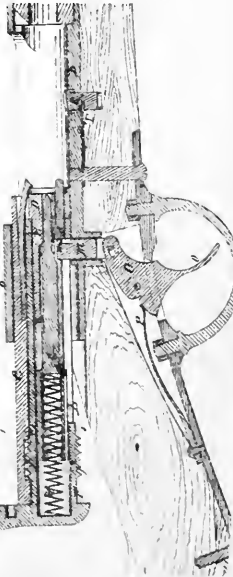
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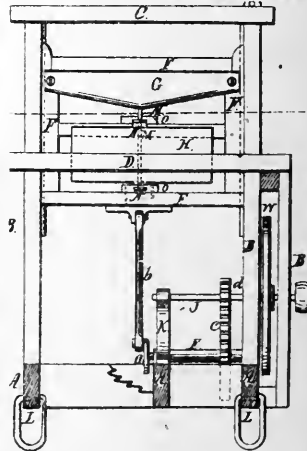
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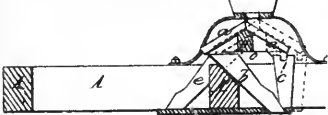
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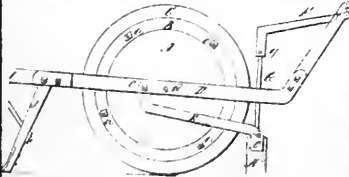
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99,497, THEODORE D. TEAL.  
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99,498, JOHN HENRY THOMAS.  
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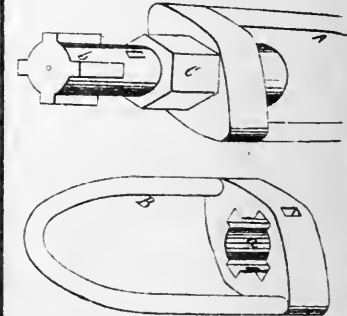


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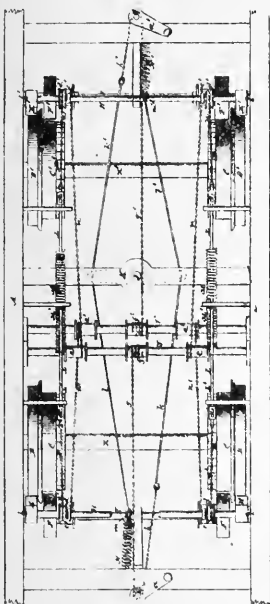


99,500, CHARLES TOPPAN.  
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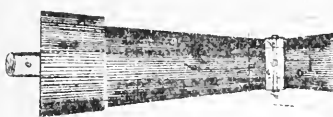
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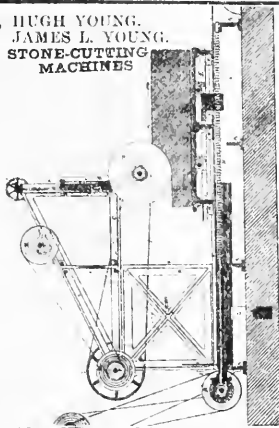
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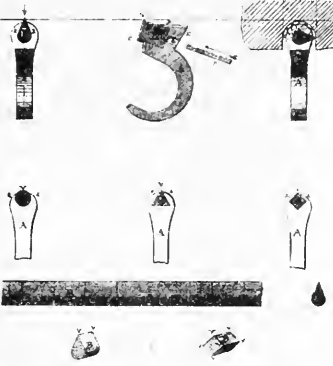
99,512, THOS. WRIGHT  
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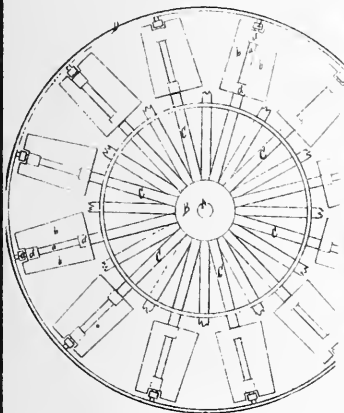
99,513, HUGH YOUNG,  
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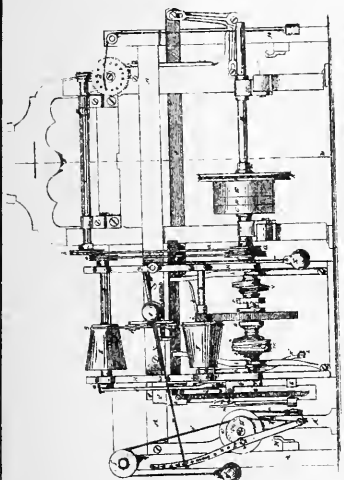
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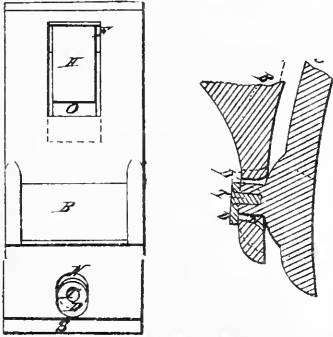
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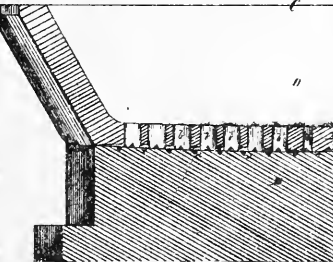
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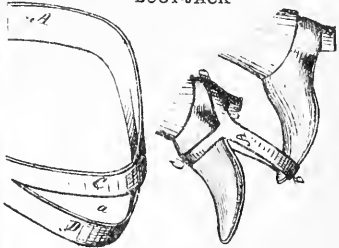
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99,516, F. E. SESSIONS.  
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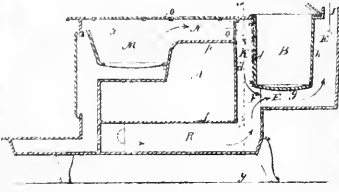
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3,813, D. R. AVERILL.  
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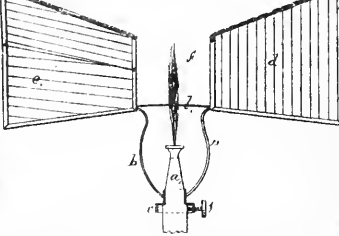
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3,815, ENEK BUSSEY.  
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3,816, N. C. RUSSELL.  
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3,817 WM. G. SCHMIDLIN.  
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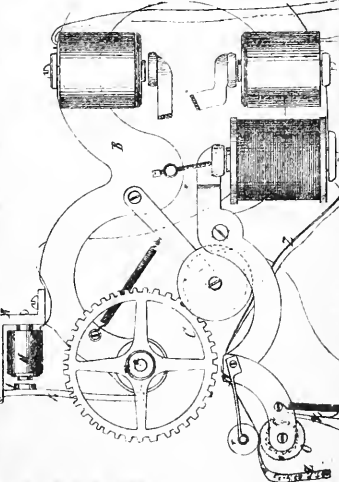
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3,819, HANNAH G. SUPLEE.  
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3,820, GEO. B. FIELD,  
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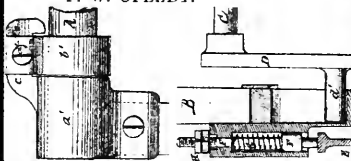


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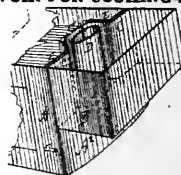
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F. W. OFELDT.

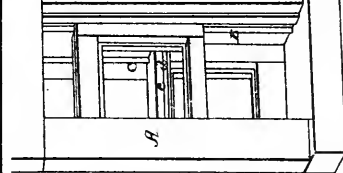
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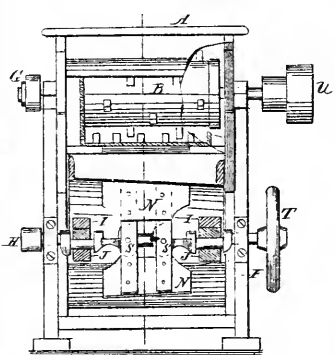
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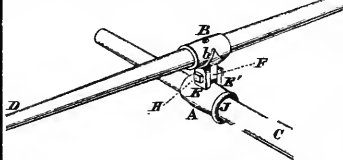
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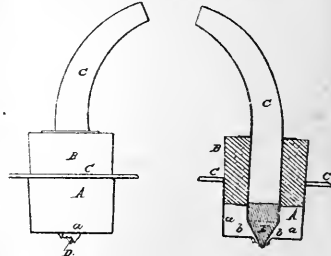
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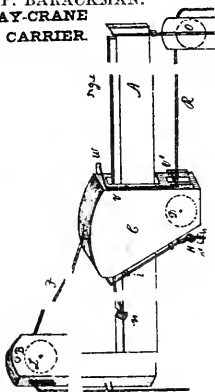
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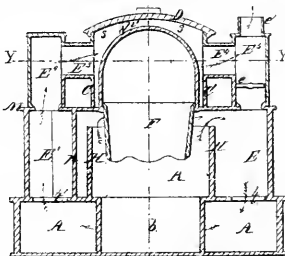
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99,520. B. P. BARACKMAN. HAY-CRANE OR CARRIER.



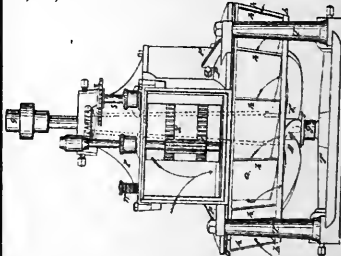
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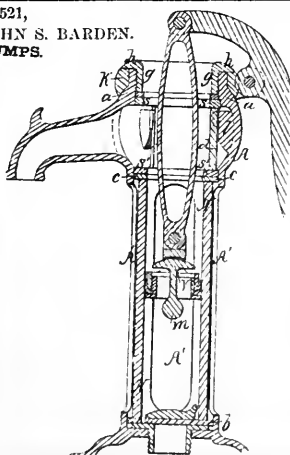
HIRAM CARPENTER. RAILWAYS.



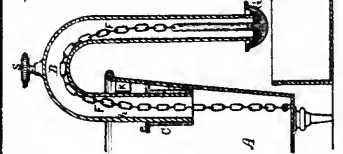
99,532. IRA CARTER. WATER-WHEELS.



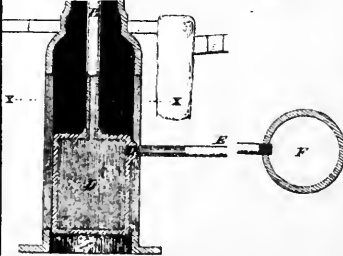
99,521. JOHN S. BARDEN. PUMPS.



99,526. J. A. BOSTWICK. SIFONS



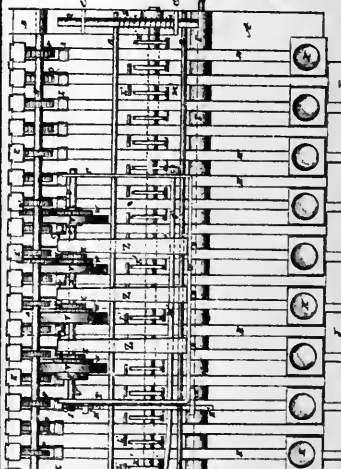
99,527. GEORGE C. BOVEY. SEDIMENT-CHAMBER FOR LAMP-POSTS.



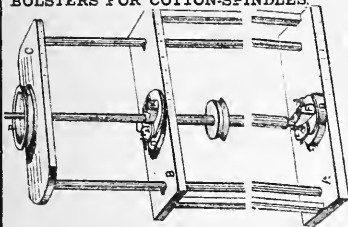
99,528. F. E. BOYD. CARTRIDGE.



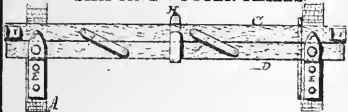
99,533. GILBERT W. CHAPIN. ADDING-MACHINE.



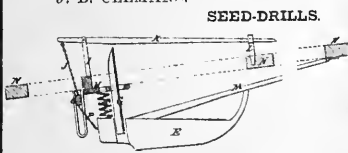
99,534, C. H. CHAPMAN. STEPS AND BOLSTERS FOR COTTON-SPINDLES.



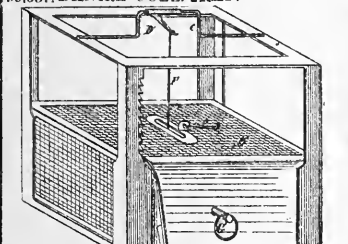
99,535, L. S. CLARK. SHIFTING CUTTER-THILLS.



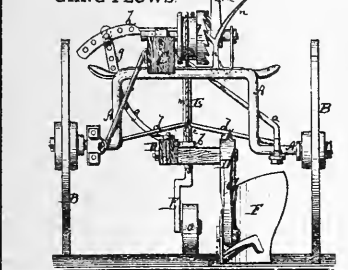
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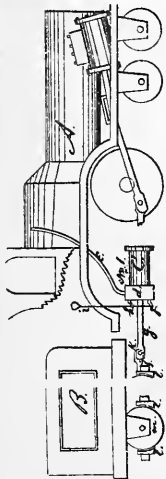
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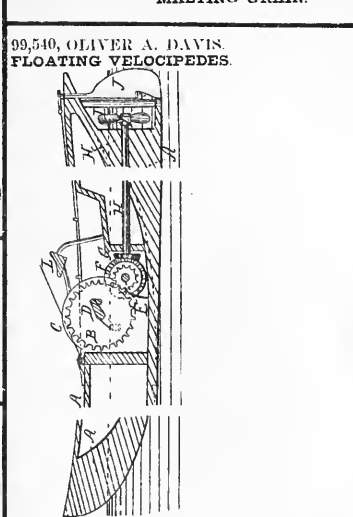
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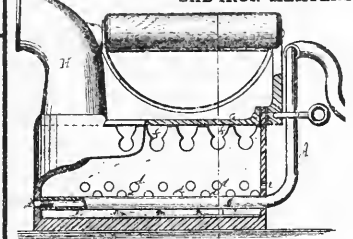
99,539, JAY M. CROSBY. WILLIAM BALLARD. RAILWAY-CAR BRAKES.



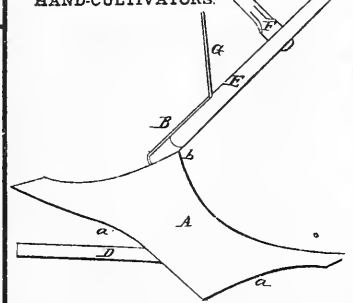
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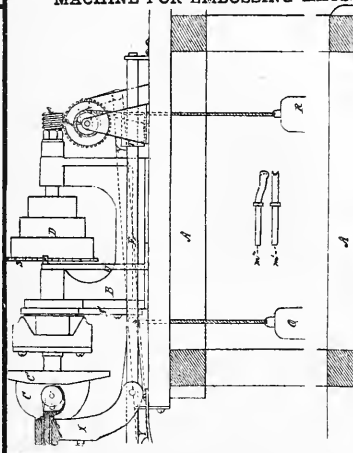
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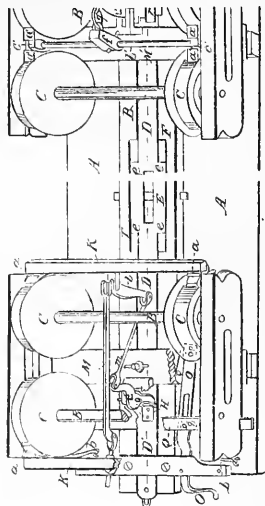
99,543, LEWIS DUVALL. HAND-CULTIVATORS.



99,544, R. EICKEMEYER. MACHINE FOR EMBOSsing HATS.

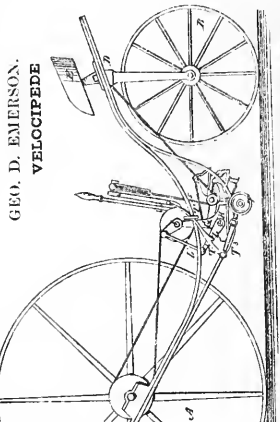


99,545, DANIEL M. ELDER. RAILWAY-CAR BRAKE.

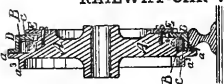


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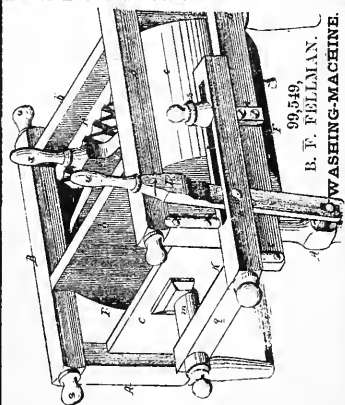
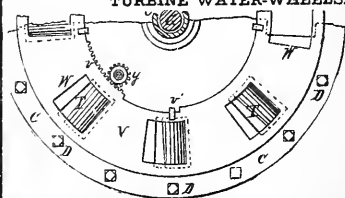
GEO. D. EMERSON. VELOCIPED.



99,547, JOHN N. FARRAR. RAILWAY-CAR WHEEL.

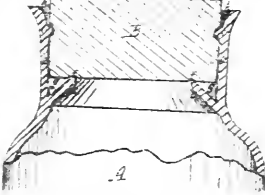
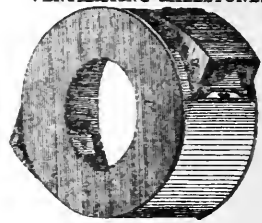
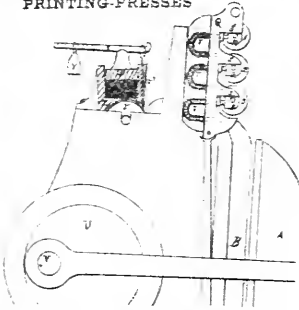
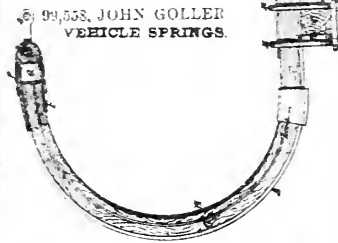
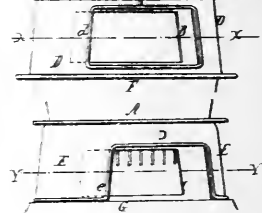
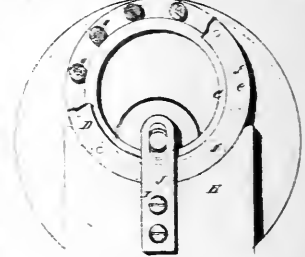
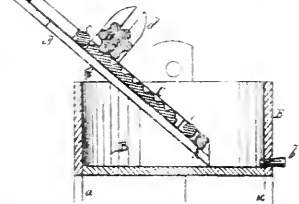
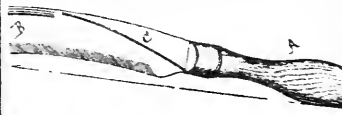
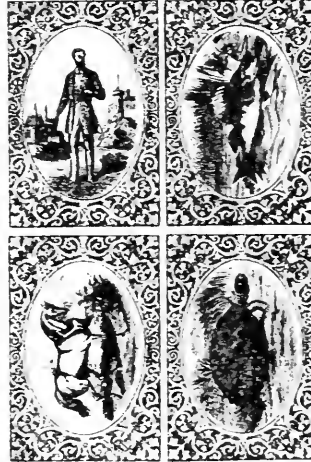
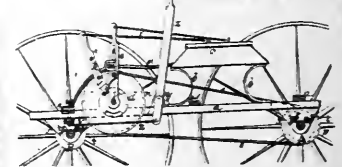


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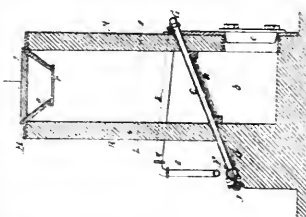


99,549, B. F. FELLMAN. WASHING-MACHINE.

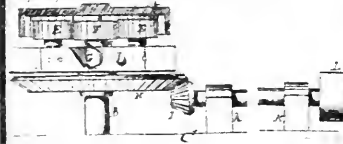
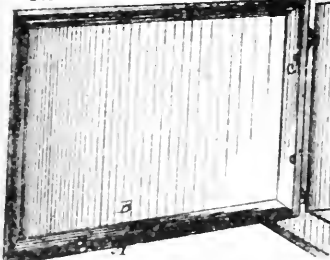
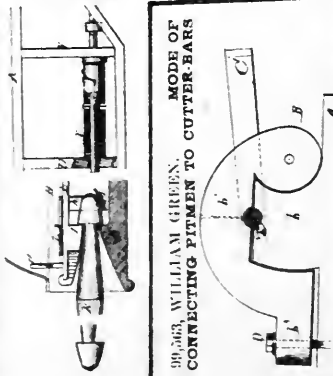
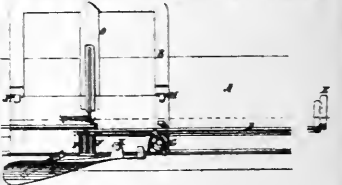
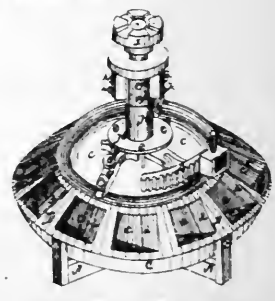
99,550. A. E. HUNT. FRUIT-JARS.

99,557. C. F. GILLETTE.  
GUN-WIPER.99,564. AMOS GRUBB.  
VENTILATING MILLSTONES.99,551. MERRITT GALLY.  
PRINTING-PRESSES.99,553. JOHN GOLLER.  
VEHICLE SPRINGS.99,565. CONRAD HARRIS.  
PAUL W. ZOINER.  
DOOR FOR CANNON STOVE.99,550. O. P. GOODMAN.  
NOSE-RING FOR HOGS.99,566. R. G. HATFIELD.  
ANTI-FRICTION JOURNAL-BEARINGS.99,552. D'ALEMBERT T. GALE.  
WASHER AND WRINGER.99,560. GEORGE D. GOODSSELL.  
NOYES F. BABCOCK.  
CORN-STALK-CUTTING KNIFE.99,561. CALEB GOODWIN.  
SCIENTIFIC PLAYING-CARDS.99,567. GUSTAVUS L. HAUSKNECHT.  
VELOCIPEDE.

99,553. E. L. GAYLORD. TRUNK-LOCKS.

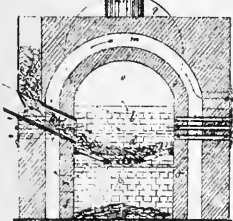
99,554. WILLIAM GERHARDT.  
GAS-PRODUCING FURNACES.

99,555. C. H. GIFFORD. HORSE-POWERS.

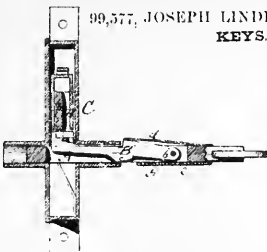
99,556. H. G. GILES.  
FASTENING STOVE-DOOR LININGS.99,562. ROBT. GREEN.  
RAILWAY-CAR COUPLING.99,568. F. J. HERPERS.  
M. M. SOMMER.  
SHEET-MUSIC TURNER AND HOLDER.99,569. G. A. HOUSTON.  
WATER WHEEL.



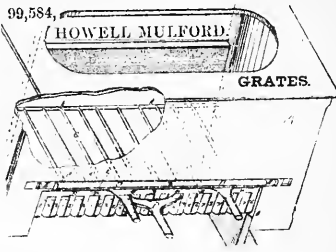
99,570. JOS. R. HOYT. FURNACES.



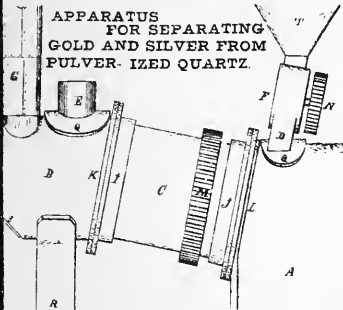
99,577. JOSEPH LINDER. KEYS.



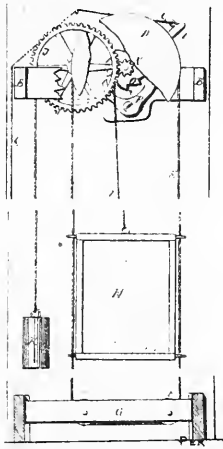
99,584. HOWELL MULFORD. GRATES.



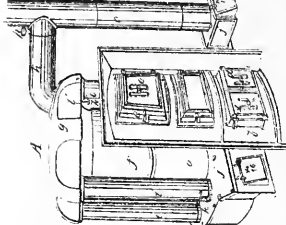
99,571. EDWARD A. HYDE. APPARATUS FOR SEPARATING GOLD AND SILVER FROM PULVERIZED QUARTZ.



99,578. MATTHEW LYNCH. HOISTING-MACHINES.



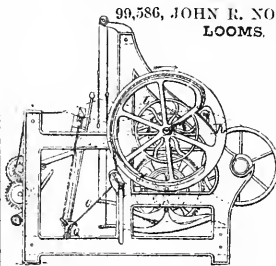
99,585. EDMUND D. NORCROSS. HOT-AIR FURNACE.



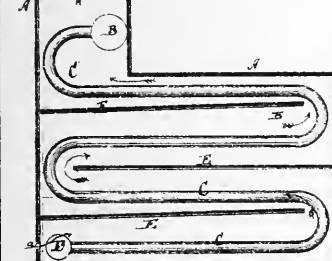
99,572. JAMES INGRAM. METHOD OF ATTACHING FLOATS AND SINKERS TO FISHING-LINES.



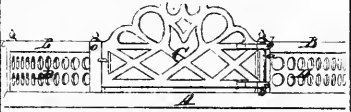
99,586. JOHN R. NORFOLK. LOOMS.



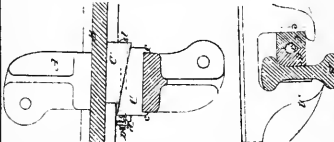
99,573. ENOS R. JOHNSON. FEED-WATER HEATER FOR STEAM-GENERATORS.



99,579. JOHN MARTINO. FENDER FOR FIRE-PLACE STOVE.



99,587. W. PALLISER. RAILWAY-RAIL FASTENING.



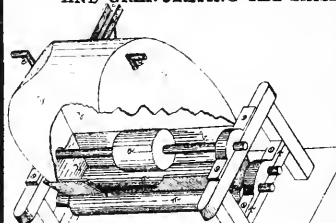
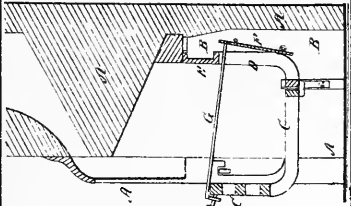
99,580. JOHN MARTINO. FENDER FOR FIRE-PLACE STOVE.



99,574. G. W. JONES. WORKING OF SCRAP AND OTHER IRON.

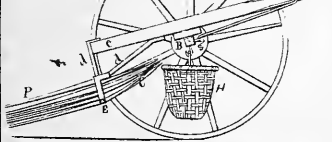


99,581. G. H. McELEVY. FIRE-PLACE GRATE.

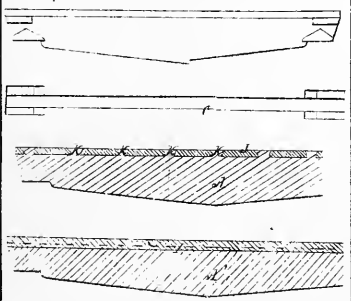


99,588. WILLIAM H. PERRY. MANUFACTURE OF IRON, AND GRANULATING THE SAME.

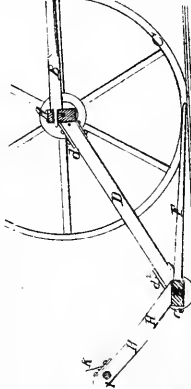
GEO. W. KNIGHT. POTATO-DIGGER. 99,575.



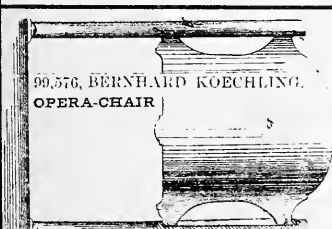
99,582. WM. McMONNIES. GRATE-BAR.



99,589. W. E. PHELPS. HAY-GATHERERS.

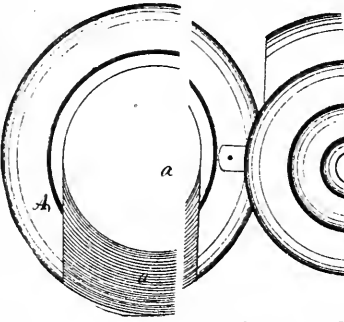
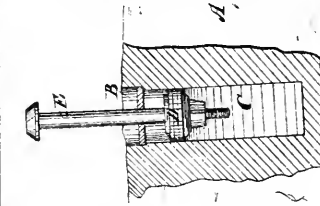
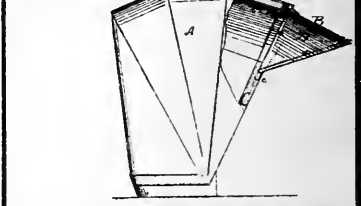


99,576. BERNHARD KOECHLING. OPERA-CHAIR.

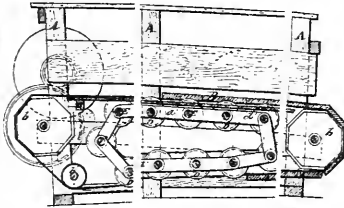
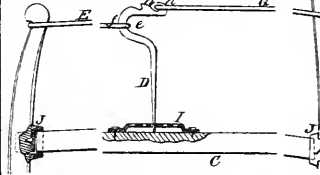


99,583. JACOB H. MORRIS. MEDICINE FOR CURE OF FEVER AND AGUE.

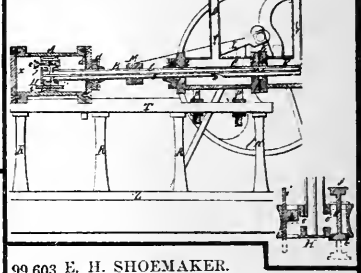
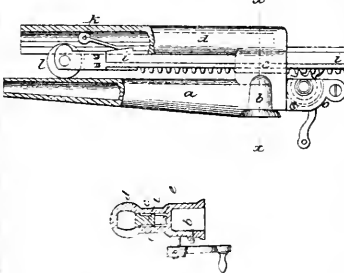
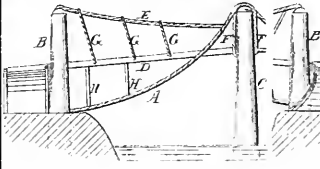
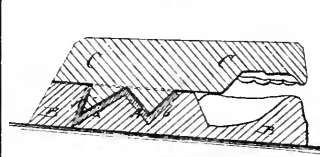
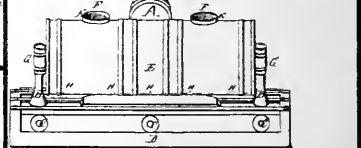
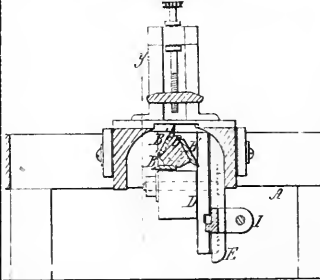


99,590, J. A. PRICE.  
BASE-BURNING STOVE.99,595, JOHN ROBB.  
MODE OF SPLITTING ROCK.99,601 WM. SCHOCH.  
CARRIAGE-TOPS.

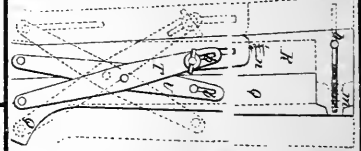
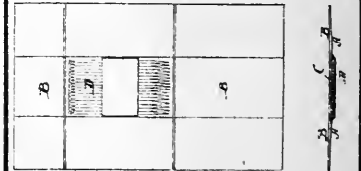
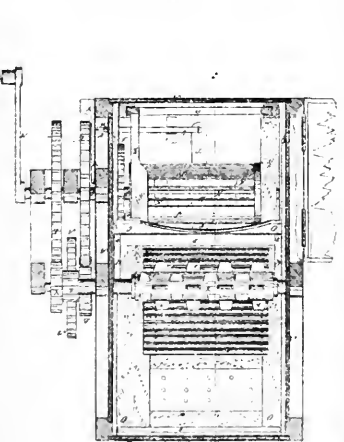
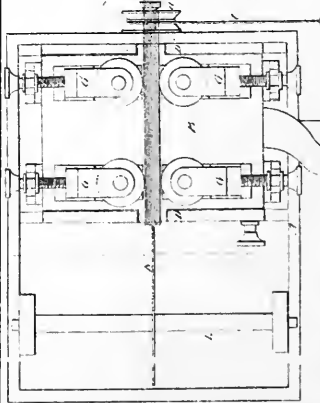
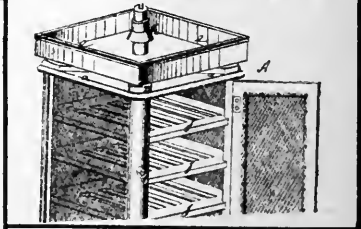
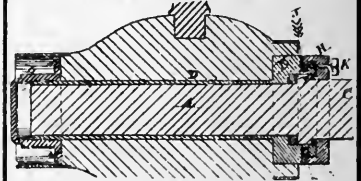
99,591, JAMES M. RAND. HORSE-POWER.

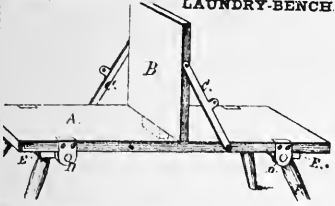
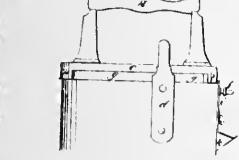
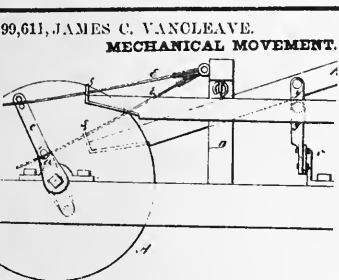
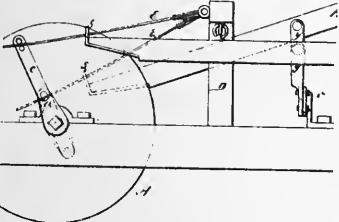
99,596, THOMAS H. ROLLINS.  
SAW-FRAME.PETER SHELLENBACK.  
JNO. HARTON.

99,602. STEAM-ENGINE.

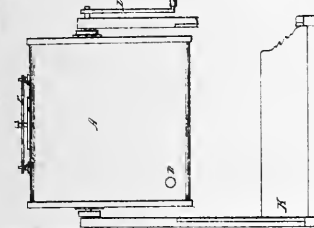
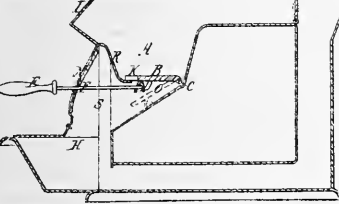
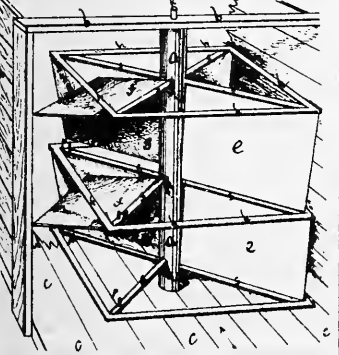
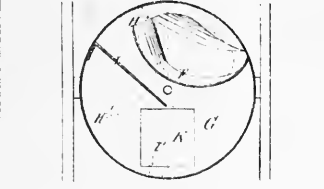
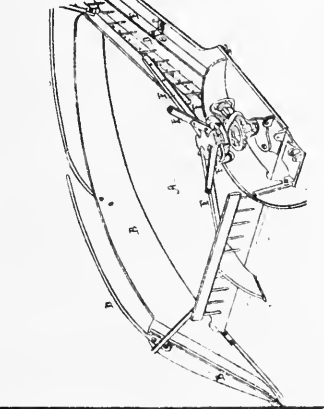
99,592, C. H. RAYMOND. GROOVING-  
MACHINES FOR SHEET-METAL.99,597, JARVIS ROYAL.  
SUSPENSION-BRIDGE.99,598, GEORGE F. SCHAFER.  
DENTAL ARTICULATORS.99,603, E. H. SHOEMAKER.  
SAMUEL McCLEERY.MOP AND  
SCRUBBER-HEAD.99,593, HIRAM M. RAYNOR.  
PIN FOR ARTIFICIAL TEETH.99,599, JOHN B. SCHENCK.  
PLANING-MACHINE.

99,604, E. SHOPBELL. BOOT-PATTERN.

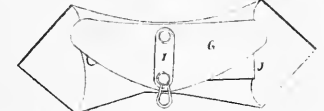
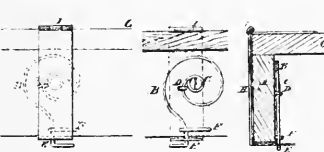
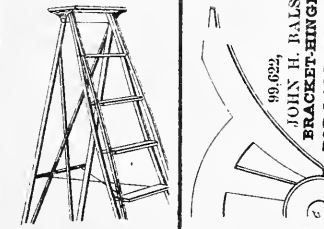
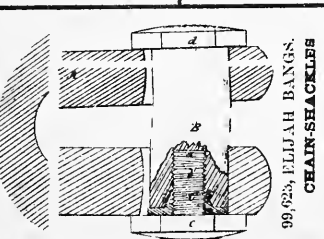
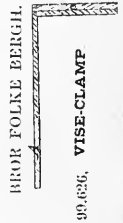
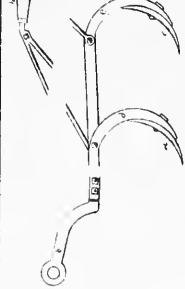
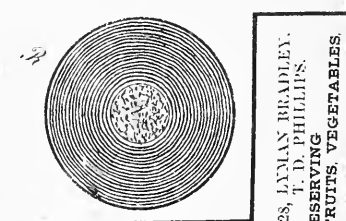
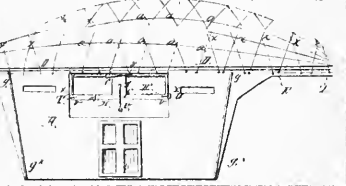
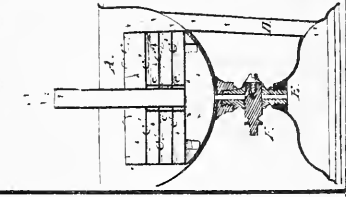
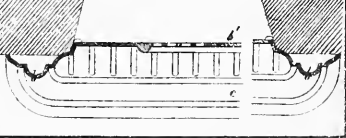
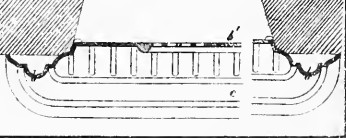
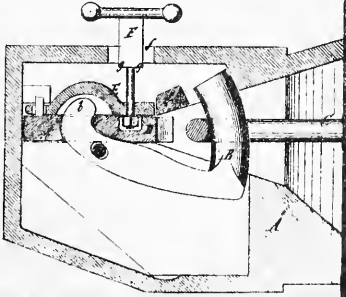
99,605, ALFRED SHRIMPTON.  
NEEDLE-WRAPPERS.99,594, EDWIN REES.  
CLOTHES-WASHER AND DRIER.99,600, JOHN B. SCHENCK.  
SAWING-MACHINES.99,606, AUSTIN SLX.  
SAML. S. FORD.  
ROTARY PROVISION-SAFE.99,607, ALFRED E. SMITH.  
CARRIAGE AXLE-BOXES.

99,608, ALBERT H. SPENCER.  
LAUNDRY-BENCH.99,609, FERDINAND STADLER. SAD-IRON  
HEATER.99,610, JOHN W. TULLY. COMPOSITION  
OR FILLING FOR COACH-PAINTERS.99,611, JAMES C. VANCELEAVE.  
MECHANICAL MOVEMENT.

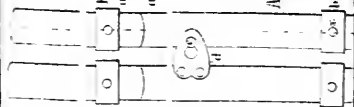
99,612, RICHARD P. WELLS. CHURNS

ALEXANDER WHITE. COOKING-STOVE.  
99,613.99,614, EUGENE A. WHITE.  
CURRENT-WHEELS.99,615, JOSEPH WOLFF. MANUFACTURE  
OF YEAST FOR DISTILLERS.99,616, W. W. WORMOOD.  
FARE-BOXES FOR STREET-CARS.99,617, ADRIANCE AND BROWN.  
GRAIN PLATFORM FOR HARVESTERS.99,618, JOHN BARCOCK.  
COMPOSITION FOR PREPARING  
WOOD FOR PAINTING.

99,619, JOHN BACHELDER. NECKTIES.

99,620, FRANCIS R. BAIRD.  
HASP-FASTENINGS FOR FRUIT-CRATES.99,621, JOHN H. BALSLEY.  
STEP-LADDERS.99,622, JOHN H. BALSLEY.  
BRACKET-HINGE  
FOR LADDERS.99,623, ELIJAH BANGS.  
CHAIN-SHACKLES99,624, JULIUS BAUR.  
MANUFACTURE OF STEEL99,625, D. G. BENNER.  
CULTIVATORS99,626, BROR FOLKE BERGH.  
VISE-CLAMP99,627, WILLIAM BESCHKE.  
PACKING  
FOR STEAM-ENGINES, PUMPS, &c.99,628, LYNAN BRADLEY.  
T. D. PHILLIPS.  
PRESERVING  
FRUITS, VEGETABLES.99,629, MARTIN BRAUN.  
AERIAL SHIPS.99,630, JOHN C. BREWSTER.  
AMALGAMATOR99,631, ANDREW BROWN. BASE FOR  
SUMMER-PIECES AND GRATE-FRAMES99,632, LEOPOLD F. BUSCHMANN.  
RAILWAY-CAR COUPLING.

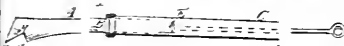
99,633, W. R. CARGILL.  
CORSET-FASTENINGS.



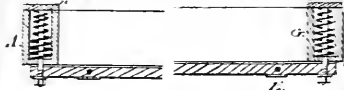
99,634, M. C. CHAMBERLIN.  
A. CLAWSON.  
BELT-TIGHTENER.



99,635, RICHD. D. CHINN.  
FOUNTAIN-PENS



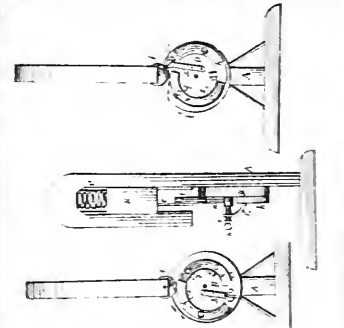
99,636, I. A. CLIPPINGER.  
SAMUEL S. PRATT. BED-BOTTOM



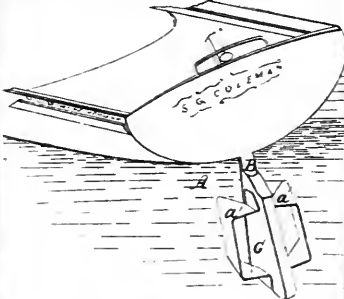
99,637, FRANCOIS COIGNET.  
TREATING ARGILLACEOUS  
LIMESTONES TO OBTAIN HYDRAULIC  
CEMENT &c.



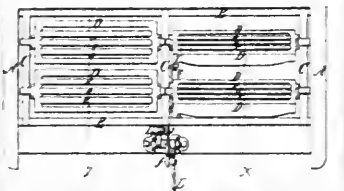
99,638, COLUMBUS COLEMAN.  
MACHINE FOR BENDING RAKE-TEETH



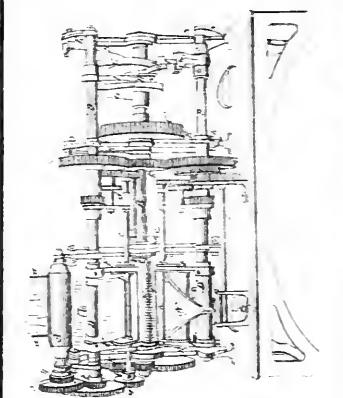
99,639, STEPHEN G. COLEMAN.  
RUDDERS FOR VESSELS



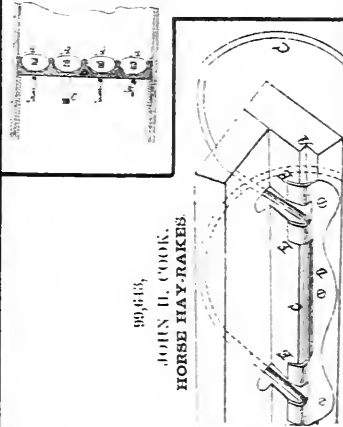
99,640, H. COLLINSON. GRATE BAR



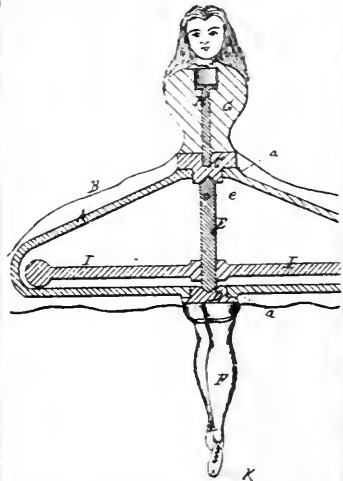
99,641, HIZERTAH CONANT.  
MACHINES FOR COMBING COTTON



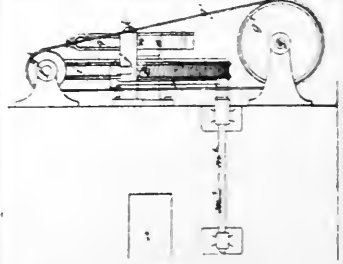
99,642, J. CONE. FURNACE GRATE-BAR  
WM. K. KELLY.



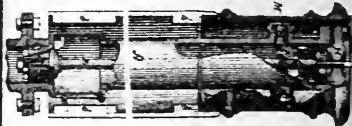
99,644, CHAS. L. COOMBS. TOYS.



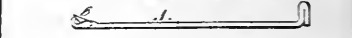
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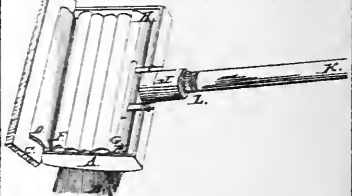
99,646, JAS. CURRAN. FIRE-PLUGS.



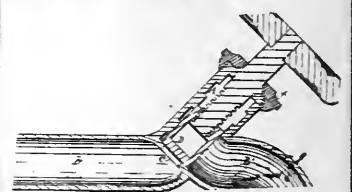
99,647, JOHN F. DANIELS.  
KNITTING-MACHINE NEEDLES



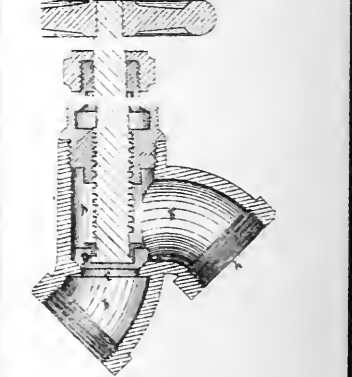
99,648, BIRAM C. DAVIS.  
MOP AND RUBBER SCRUBBER



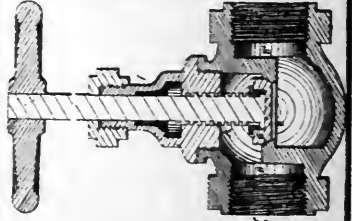
99,649, JOS. H. DAVIS. BIB-COCKS



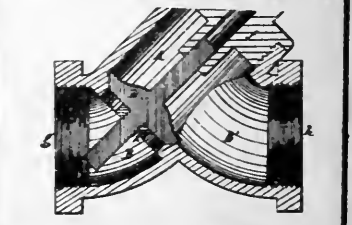
99,650, JOS. H. DAVIS.  
ANGLE-VALVE COCKS



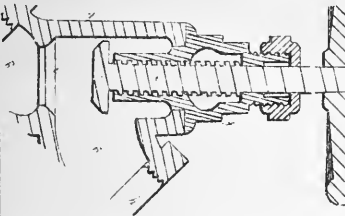
99,651, JOS. H. DAVIS.  
GLOBE-VALVE COCKS.



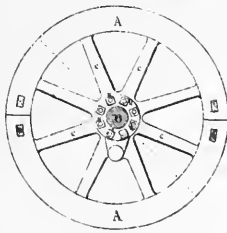
99,652, J. H. DAVIS.  
CHECK VALVE COCK



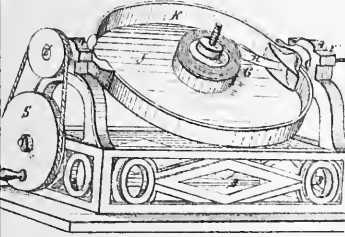
99,653, JOS. H. DAVIS.  
VALVE-COCKS MADE OF CAST-IRON  
AND SUBSEQUENTLY ANNEALED



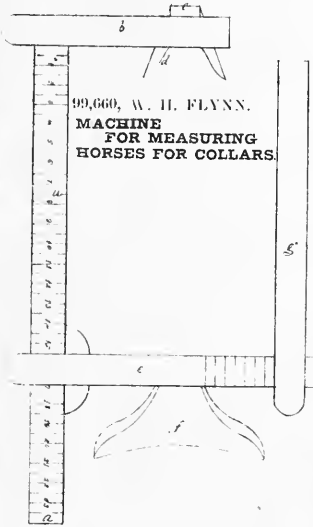
99,659, HENRY L. FARR.  
SECTIONAL FLY-WHEELS.



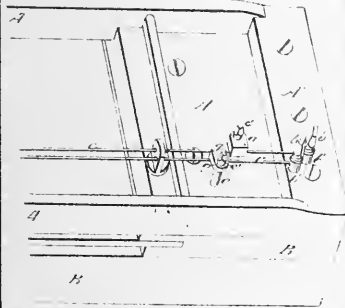
99,654, R. V. DE GUINON. MACHINE  
FOR MAKING PAPER TWINE.



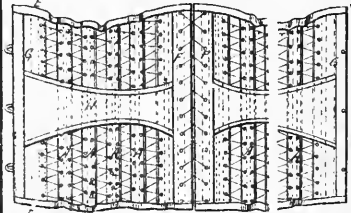
99,660, W. H. FLYNN.  
MACHINE  
FOR MEASURING  
HORSES FOR COLLARS.



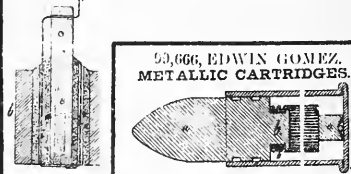
99,655, ANDREAS F. DESSAU. PIANOS



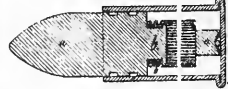
99,664, THOMAS S. GILBERT. CORSETS



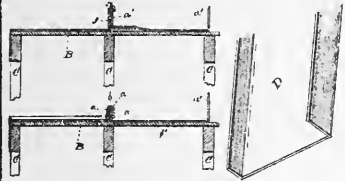
99,663, EDWIN GOMEZ.  
EXPLODING COMPRESSED POWDER.



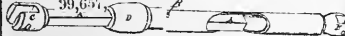
99,666, EDWIN GOMEZ.  
METALLIC CARTRIDGES.



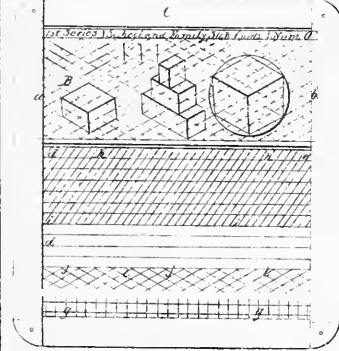
99,656, JOSEPH DIEHL.  
SHEET-METAL ROOFING.



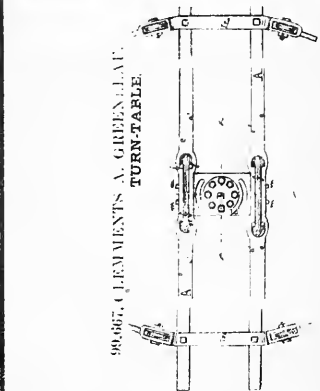
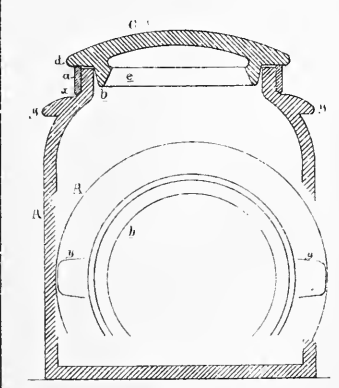
CHAS. F. DU VALL. SHAFT-COUPLING.



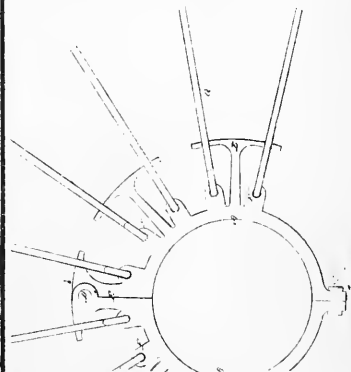
99,661, JOHN H. FRENCH.  
WRITING-SLATES.



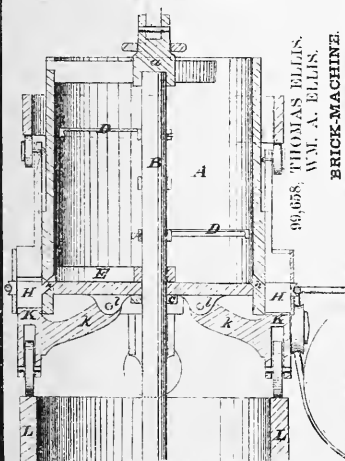
99,662, WM. GALLOWAY. FRUIT-JARS.



99,668, SELIM ELMAN GROUT.  
TOWEL-DRIER

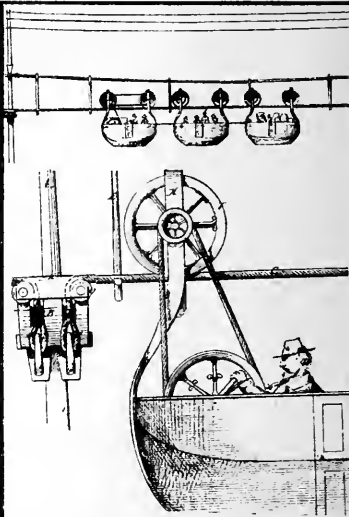
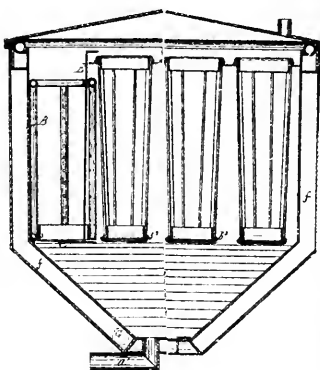
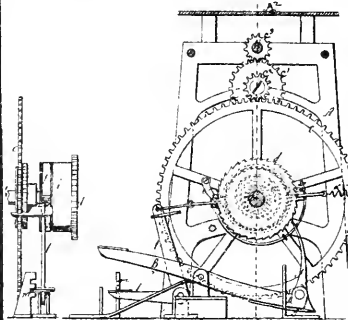
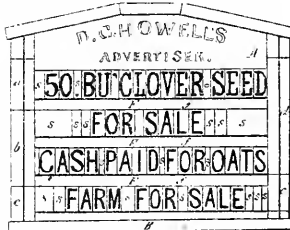
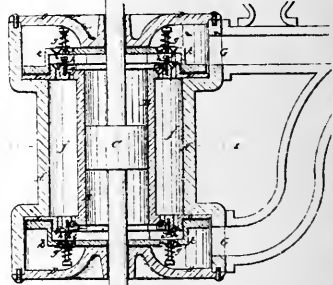
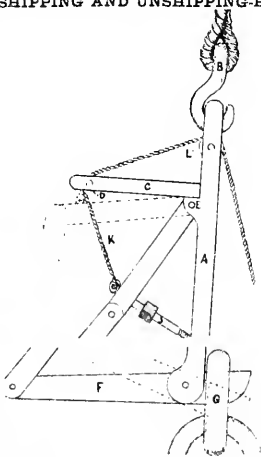
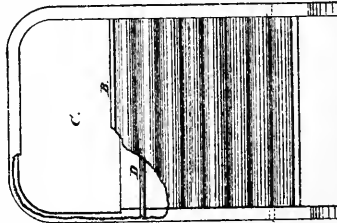
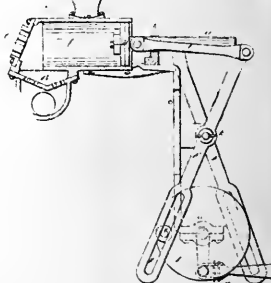
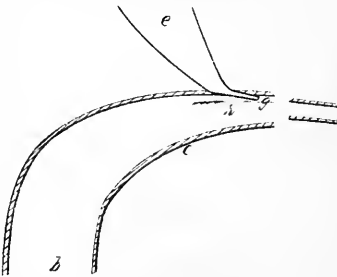
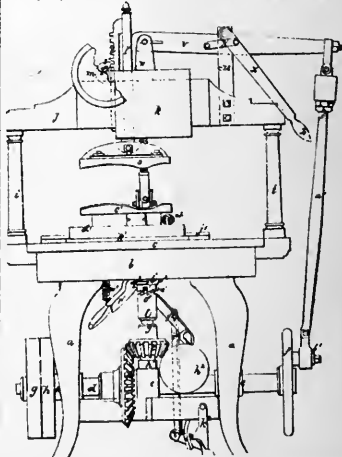
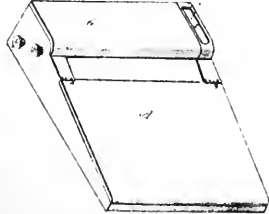
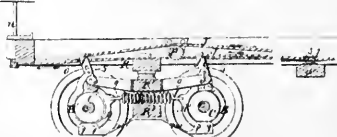


99,663, RUF  
ATMOSPHERIC TRANSPORTATION.

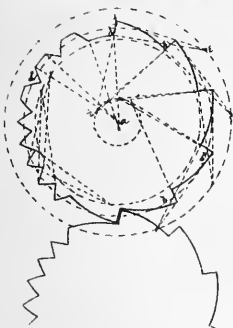


99,669, A. C. HALLAM.  
JAMES W. McKEE.

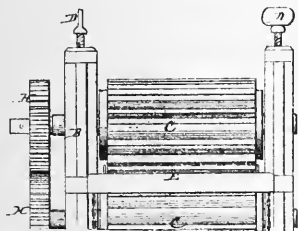
SPRING-POWER

99,674, CHARLES D. HOUSE  
TWISTING-TUBES FOR SPINNING.99,675, DANIEL G. HOWELL.  
EXTENSIBLE ADVERTISING-FRAME.99,680, WM. H. IVENS.  
DOUBLE-ACTING PUMPS99,671, NOAH HAVERMALE.  
SHIPPING AND UNSHIPPING-HOOKS.99,676, JOHN H. HUBBELL.  
WASH-BOARD.WM. H. IVENS.  
99,681, DOUBLE CYLINDER  
FORCE-PUMPS.99,677, WM. W. HUBBELL.  
SMELTING AND REFINING IRON.99,682, ALBERT JEFFERS.  
MACHINE FOR MOULDING, ROUNDING,  
CHANNELLING, AND STAMP-  
ING SOLES OF BOOTS AND SHOES.99,672, WILLIAM HOFER.  
WRITING-DESK.99,678, E. N. HUNTSMAN.  
RAILWAY-CAR BRAKE.99,673, WILLIAM J. HOOPER,  
THEODORE HOOPER, APPARATUS  
ORAZIO LUGO. FOR DRYING  
FISH AND OTHER SUBSTANCES.99,679, WALTER HYDE.  
ELEVATED RAILWAY.

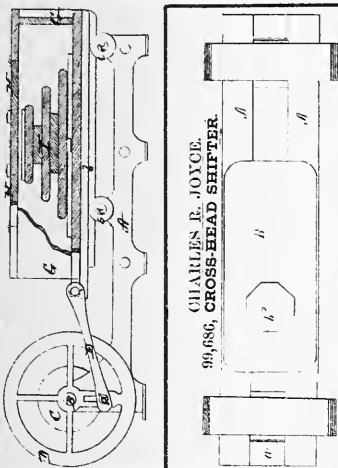
99,683, ASA JOHNSON. METHOD OF FORMING TEETH ON ROLLERS.



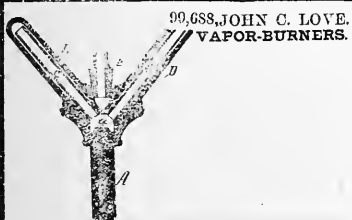
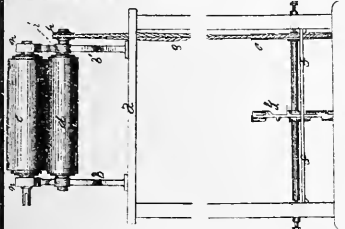
99,684, ASA JOHNSON. MACHINERY FOR CORRUGATING AND MOULDING SHEET-METAL.



99,685, JOSEF JOHNSON. POWER WASHING-MACHINE.

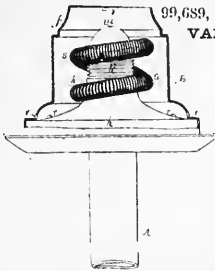


99,687, MARTIN M. KLUCK. MACHINE FOR SPREADING TOBACCO-LEAVES.



99,688, JOHN C. LOVE. VAPOR-BURNERS.

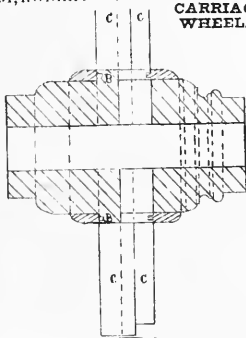
99,689, JOHN C. LOVE. VAPOR-BURNERS.



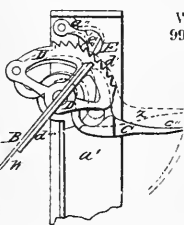
99,690, JOHN M. MARLIN. CARTRIDGE-SHELL EXTRACTOR.



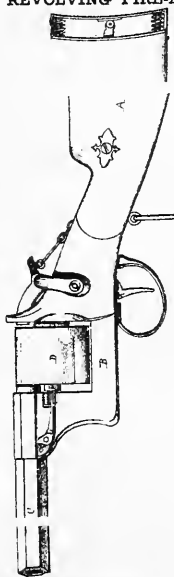
99,691, ROBERT W. McCLELLAND. CARRIAGE-WHEEL.



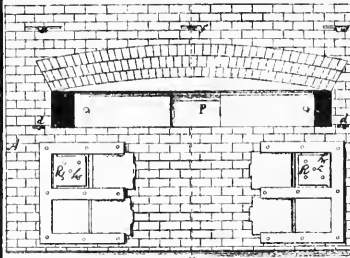
WM. L. McDOWELL. 99,692. REGISTER FOR AIR-FLUES.



99,693, JOHN C. MILLER. REVOLVING FIRE-ARMS.



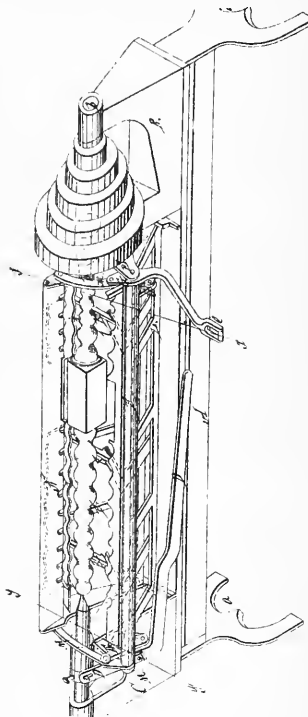
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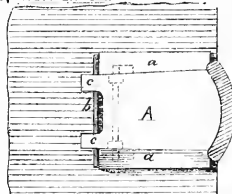
99,695, C. K. MYERS. HARVESTER-CUTTERS.



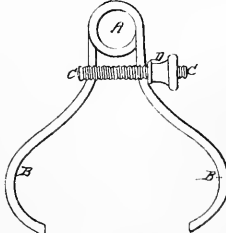
99,696, NATHAN NORRIS. CHARLES S. BLACK. HORACE S. BLACK. WOOD-TURNING LATHE.



99,697, WM. R. OATLEY. STOVE-LEGS.

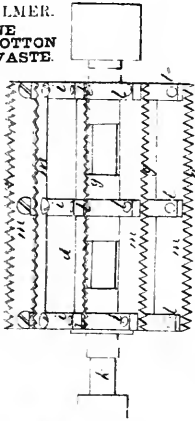


99,698, T. C. PAGE. GEO. W. HADLEY. CALIPERS.

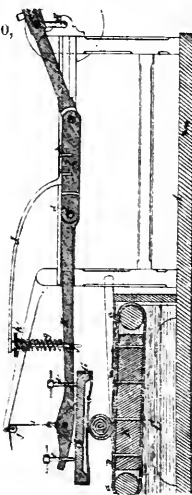




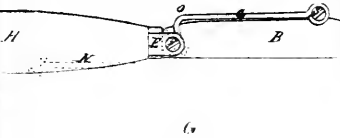
GEORGE F. PALMER.  
99,699. MACHINE  
FOR PICKING COTTON  
AND OTHER WASTE.



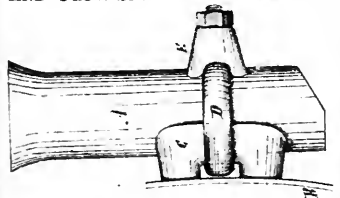
FRANCIS DEGEN.  
A. PELISSE. 99,700.  
HAT-SIZING  
MACHINES.



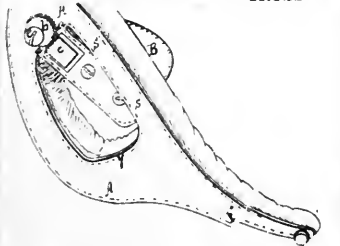
99,701. DAN PERRY. KNIFE-GUARD.



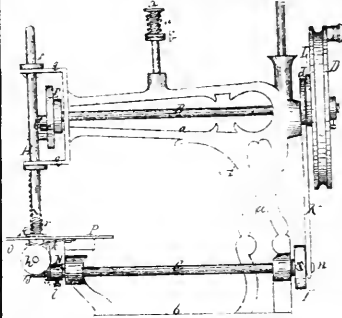
99,702. JOSHUA PIERPONT.  
DEVICE FOR SECURING SHOVELS  
AND PLOW-SHARES TO STANDARDS.



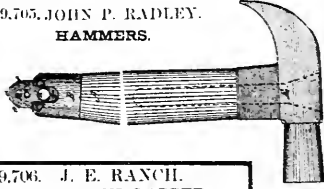
99,703. DANIEL POMEROY.  
WILLIAM POMEROY. TRUSSES.



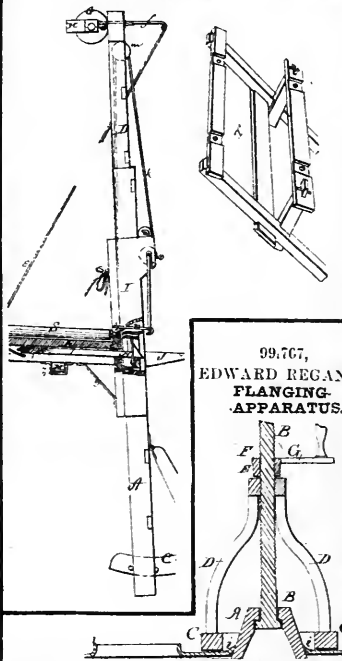
99,704. ALONZO PORTER.  
SEWING-MACHINE.



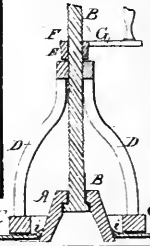
99,705. JOHN P. RADLEY.  
HAMMERS.



99,706. J. E. RANCH.  
SCAFFOLD AND LADDER.



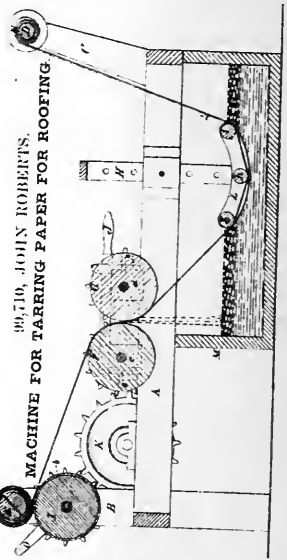
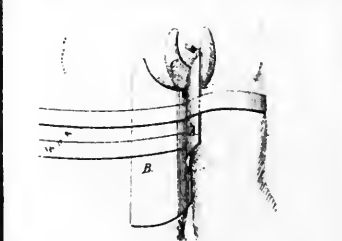
99,707.  
EDWARD REGAN.  
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99,708. WILLIAM J. RICHARDS.  
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99,709. HAYNES L. RICHARDSON.  
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99,710. JOHN ROBERTS.  
MACHINE FOR TARRING PAPER FOR ROOFING.

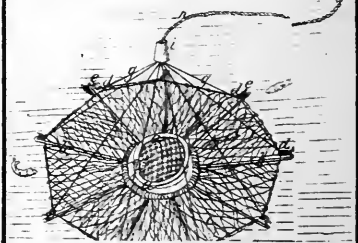
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JOURNAL-BOXES.



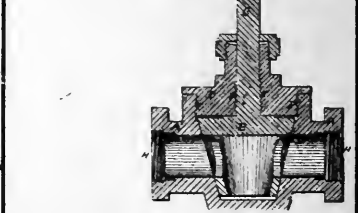
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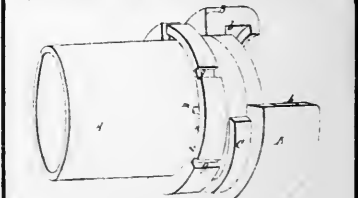
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FISH-NET.



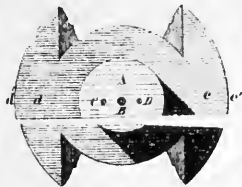
JOSEPH SEEBERGER.  
99,714. STOP-COCKS.



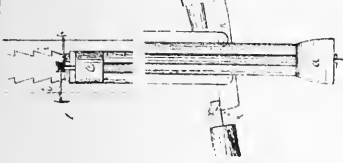
99,715. GEO. SEWELL. HOSE-COUPPLINGS.



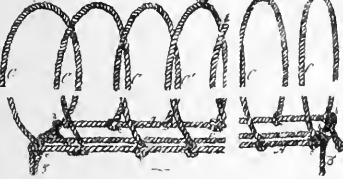
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THOMAS J. SHANNON.  
MOULDING-CUTTER.



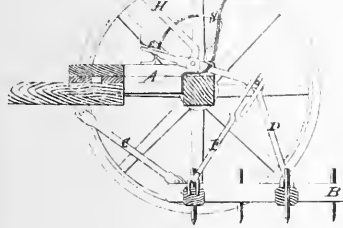
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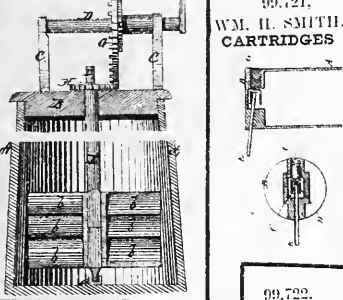
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99,718, TOAST-RACK.



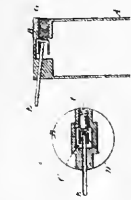
HENRY SHIRK, HARROW  
CYRUS SHIRK.  
99,719.



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99,720,  
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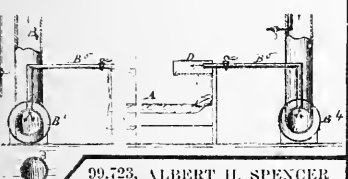
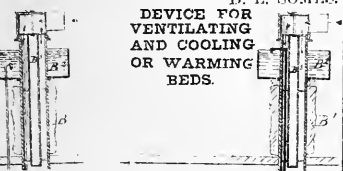


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WM. H. SMITH.  
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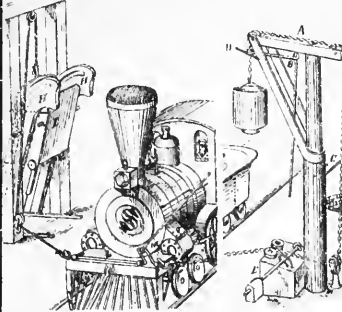


99,722.

D. E. SOMES.  
DEVICE FOR  
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OR WARMING  
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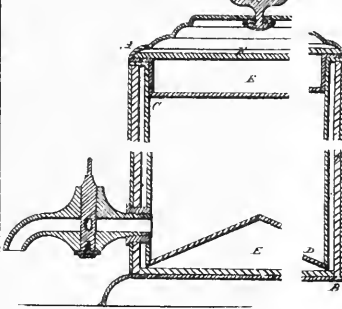
99,723, ALBERT H. SPENCER  
LOCOMOTIVE-TENDER LOADER



99,724, CHAS. F. SPENCER.  
BUTTON-FASTENER FOR SHOES.



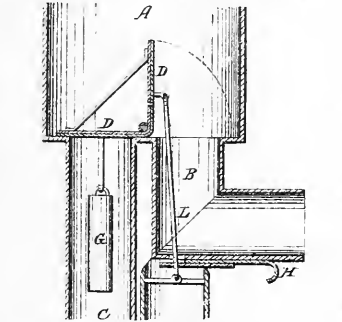
99,725, J. H. STONE.  
WATER-COOLER.



99,726, DAVID STUART.  
LEWIS BRIDGE.  
FENDER FOR FIRE-PLACE HEATERS.

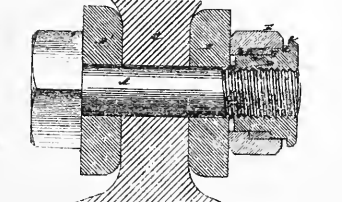


99,727, D. F. SWEET.  
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99,728, JOSEPH A. TATRO.  
PROCESS OF TREATING PETROLEUM.

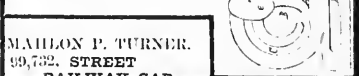
99,729, NATHAN THOMPSON.  
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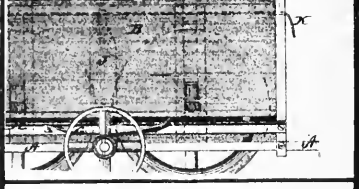
99,730, JOSEPH TRENT.  
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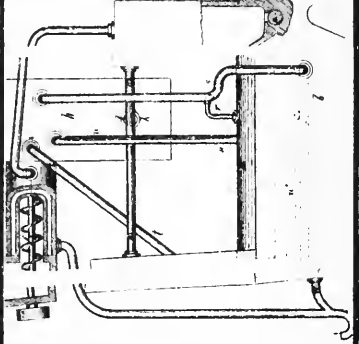
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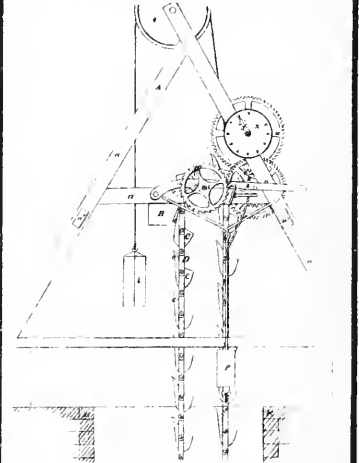
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99,732, STREET  
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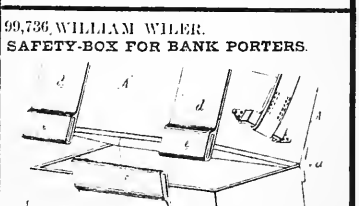
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FEAT AND OTHER MA-TERIALS



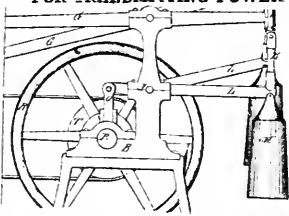
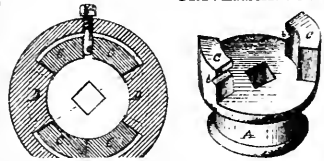
99,734, BENJAMIN WIELAND.  
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99,735, SALMON W. WILDER.  
CLEANSING PAPER, WHEN REDUCED  
TO PULP, FROM COLORING MATTERS.

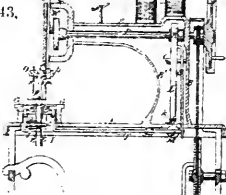


99,736, WILLIAM WILDER.  
SAFETY-BOX FOR BANK PORTERS.

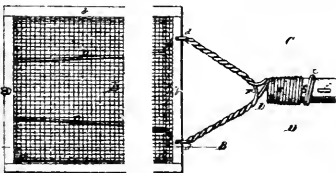
99,737, BLASIU'S WILLIAMS. APPARATUS  
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UNIVERSAL JOINT.

WILLIAM T. SMITH. SEWING-MACHINES.

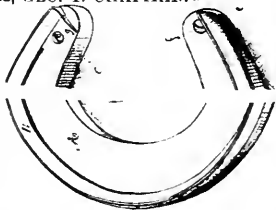
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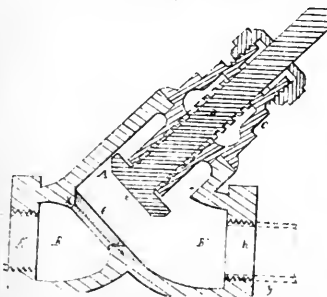
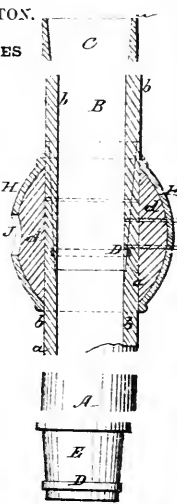
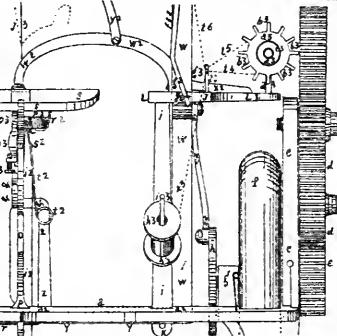
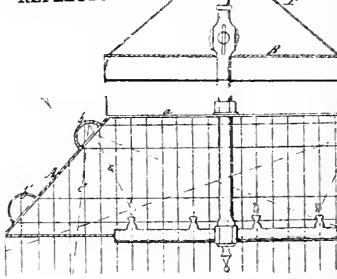
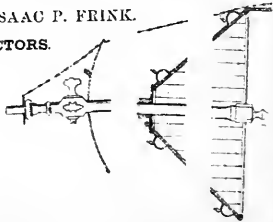
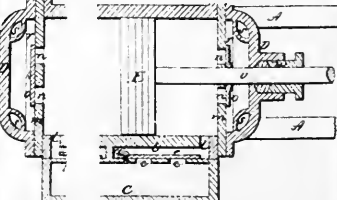
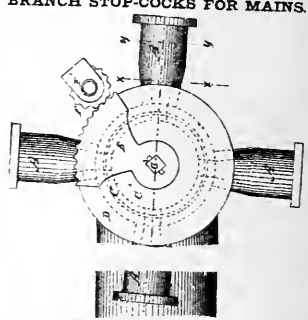
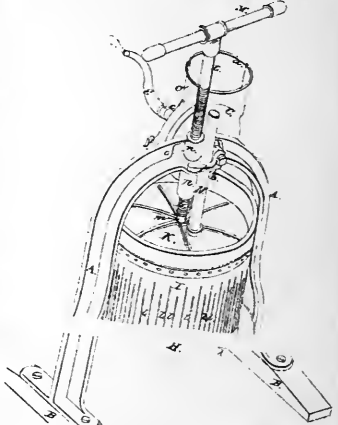
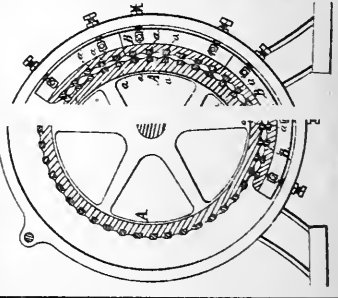
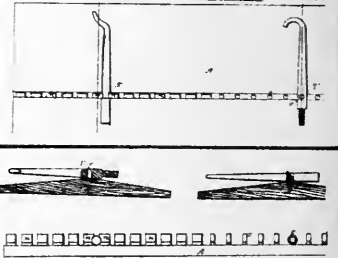
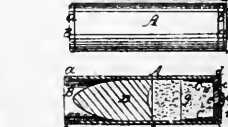
3,821, J. H. BIGELOW. CORN-POPPER.



3,822, GEO. T. CHAPMAN. HORSESHOES.



3,823, JOS. H. DAVIS. STOP-VALVES

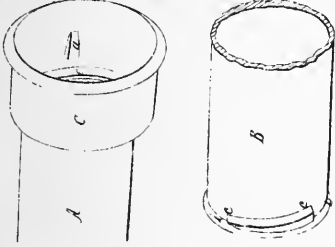
3,824, EDWIN DAYTON.  
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ILLUSTRATIONS OF PATENTS  
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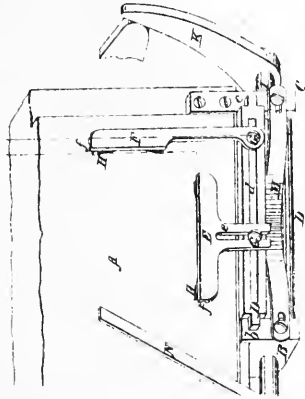
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FEBRUARY 15, 1870.

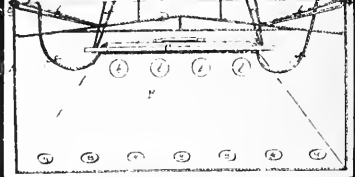
WM. D. ALFORD.  
99,744, J. H. PITKIN. PIPE-COUPPLINGS.



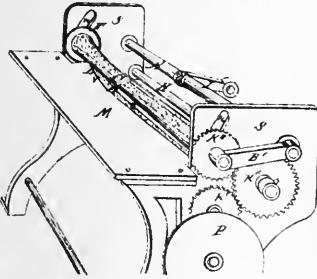
99,749, HENRY BARTIL. GRIPPERS  
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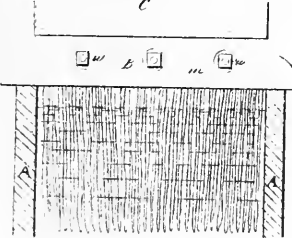
99,753, CHARLES D. BLINN. WASH  
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99,745, WM. G. AYRES.  
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99,750, CHARLES BARTON. FRAME FOR  
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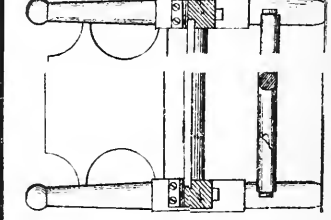
99,754, REUBEN BROOKS, JR.  
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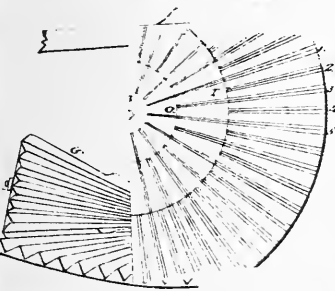
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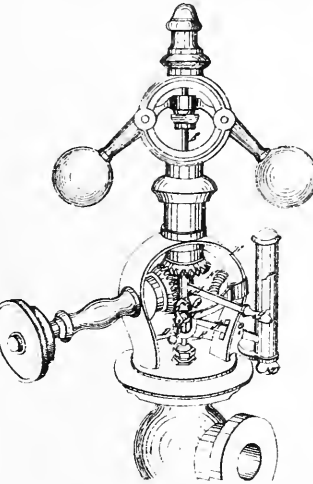
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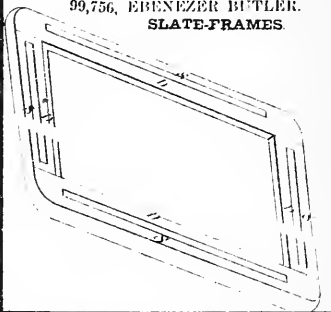
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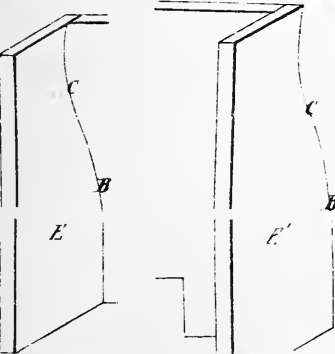
99,751, JOSEPH BELL. GOVERNORS  
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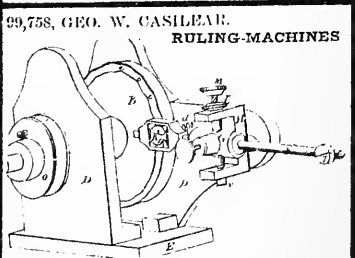
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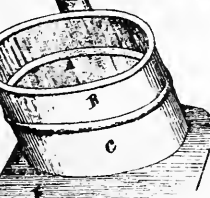
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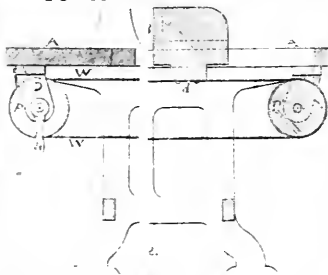
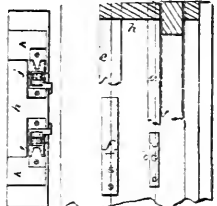
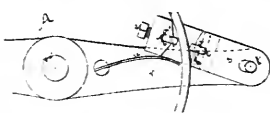
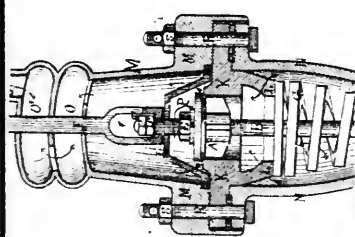
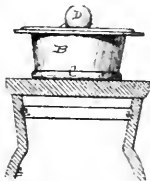
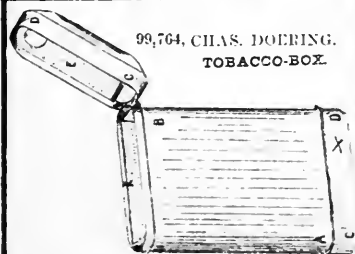
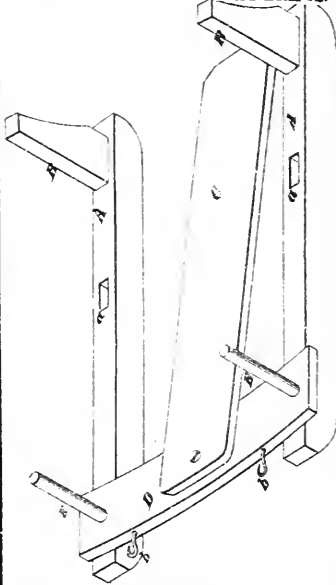


99,757, GEO. W. CASILEAR. BANK NOTES,  
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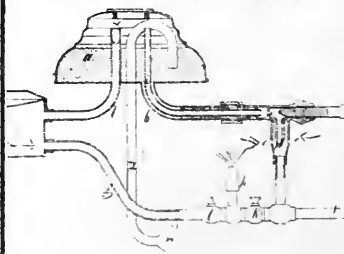
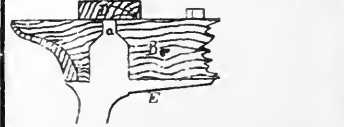
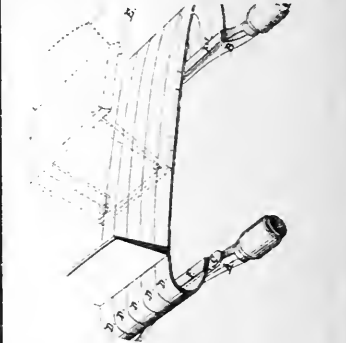
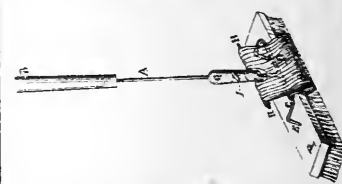
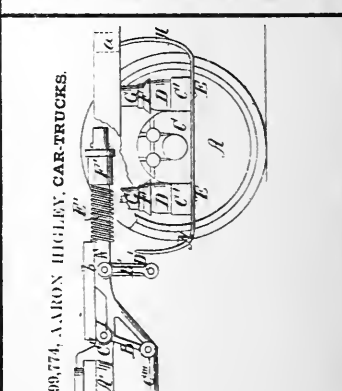


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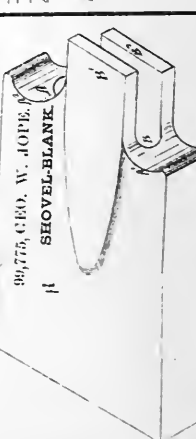
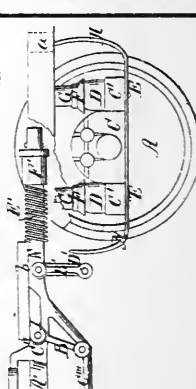


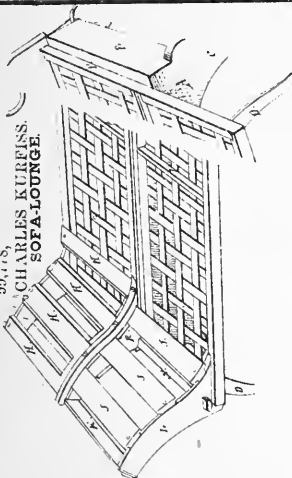
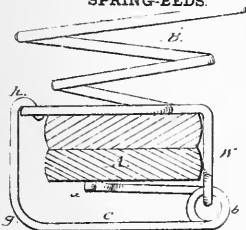
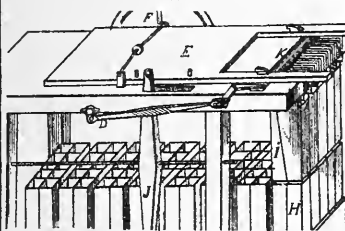
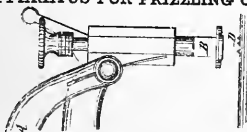
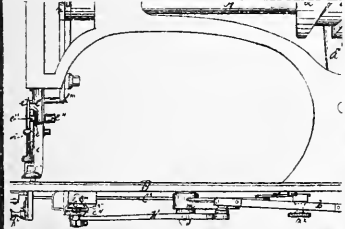
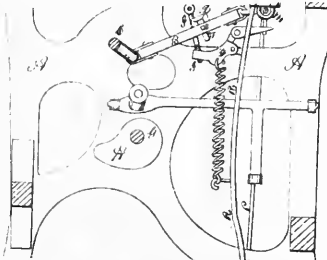
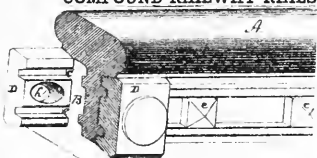
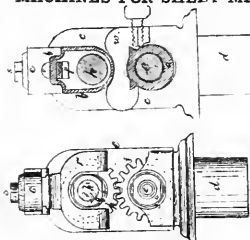
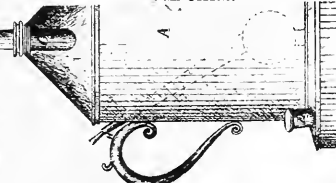
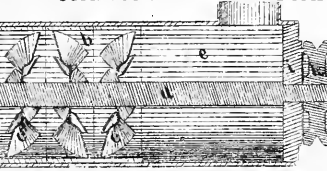
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FOR PAPER-CUTTING MACHINES.99,760, A. J. CLEVELAND.  
WINDOW-FRAME.99,761, MOSES G. CRANE.  
A. M. POLSEY.  
FRICTION-CLUTCH MECHANISM.99,762, GEO. W. CUSHING.  
SAFETY-VALVES.99,763, W. H. DANIELS  
FRUIT JAR.99,764, CHAS. DOERING.  
TOBACCO-BOX.99,765, CHARLES H. DUNKS  
SPRING-FEED BOTTOM.99,766, DANIEL EDELMAN.  
AMOS EDELMAN.  
HAY-DRAWS.99,767, HENRY FELLOWS.  
STIRRUP AND SPUR FOR SADDLES.

99,768, D. E. FIELD. CORN-SHELLERS.

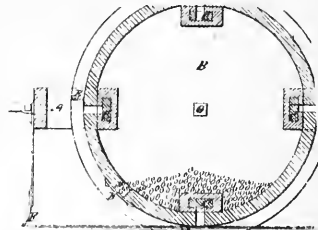
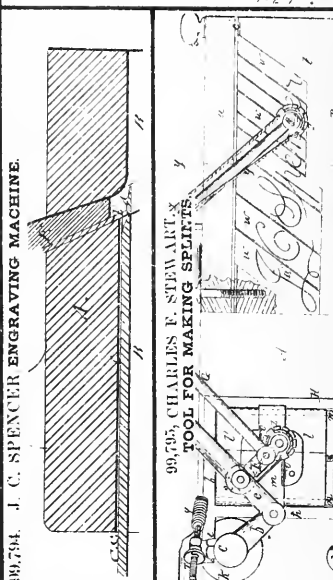
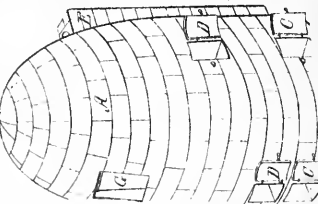
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GAS-CARBURETING APPARATUS.99,770, JOHN P. GARLAND.  
SLEIGH-KNEE.99,771, LEWIS L. GORDON.  
WAGON-SPRING.99,772, LEWIS L. GORDON.  
SCRUBBING-BRUSH.99,773, CARL GÜNTHER.  
PROCESS AND MATERIAL FOR  
ORNAMENTING TEXTILE FABRICS.

99,774, AMRON HIGLEY. CAR-TRUCKS.

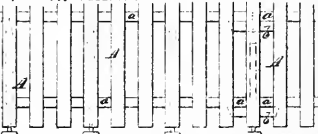
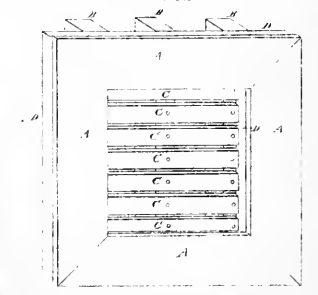
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SHOVEL-BLANK.99,776, FRANK KEELER.  
ELLIPTIC SPRINGS.

99,777, OLIVER KELLS.  
METALLIC HEARTH99,778, CHARLES KURENS.  
SOFA-LOUNGE.99,779, HERMON W. LADD.  
GEORGE F. LADD.  
SPRING-BEDS.99,780, L. T. LUTHER.  
MATCH-MACHINE.99,781, WM. H. MARTYN.  
SCREW-DRIVERS99,782, SCHAMUNORITZ MOSCHOWITZ.  
APPARATUS FOR FRIZZLING CLOTH.99,783, NICHOLAS MEYERS.  
SEWING-MACHINE.99,784, ELLIS G. OST.  
FASTENING HANDLES TO CUTLERY.99,784, PHILEAS W. NORRIS.  
GRUBBING-AX AND HOOK COMBINED.99,786, JOSEPH POTTER.  
FOR RELIEVING THE PRESSURE ON  
MECHANISM SHUTTLE-BOX SWELL.99,787, DANIEL R. PRATT.  
COMPOUND RAILWAY RAILS.99,788, C. H. RAYMOND. BEADING-  
MACHINES FOR SHEET METAL.99,789, PATRICK SCANLAN.  
OIL-CANS.99,790, JOHN L. SECOMB.  
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COMPOUND PROPELLER PUMPS.

99,792, JOHN W. SIMONSON.

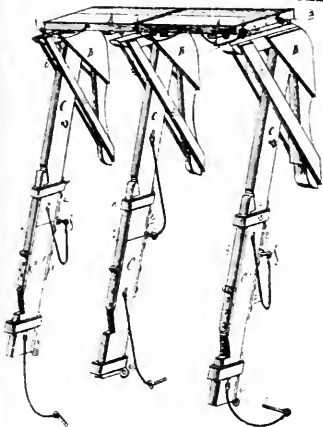
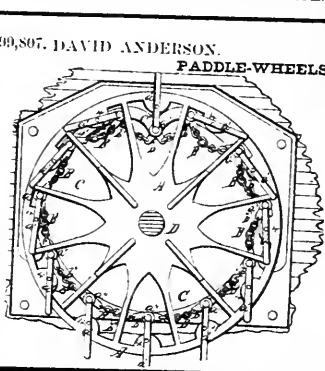
SELF-WORKING  
ROTARY CORN-PLANTER.99,793, IRA O. SMITH.  
BURNING EDGINGS, SAWDUST.99,795, CHARLES F. STEWART.  
TOOL FOR MAKING SPLINTS.

99,796, M. VANWORMER. FENCE.

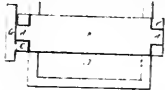
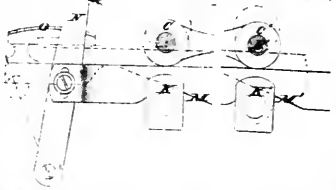
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HARVESTER KNIVES.99,798, J. R. WEBBER.  
HOUSE TRIMMINGS.



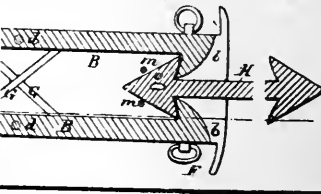
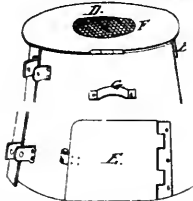
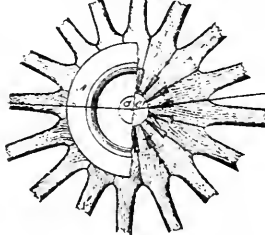
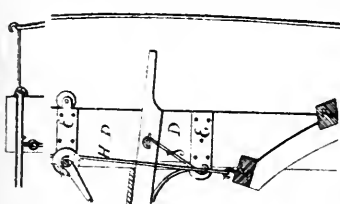
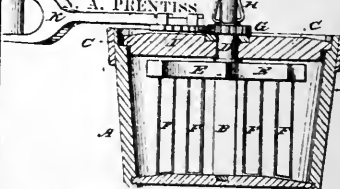
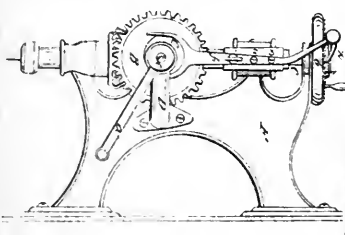
99,799, GEORGE W. WELLS. SCAFFOLD

99,806, J. A. ADAMS.  
MODE OF COVERING MOLDS AND  
OTHER ARTICLES WITH A METALLIC  
SURFACE.

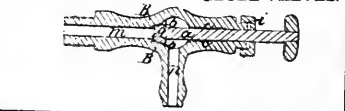
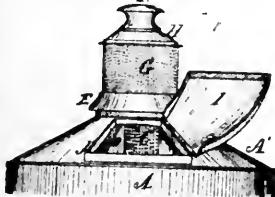
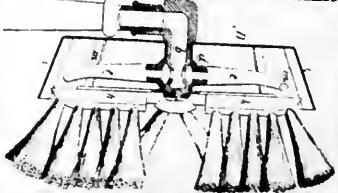
99,815, CHARLES BEAN. SASH-HOLDERS.

99,800, PEREGRINE WHITE.  
LUBRICATOR FOR BEARINGS OF  
SHAFTS.99,808, MOSES L. ANDREW.  
PLANING-MACHINES.

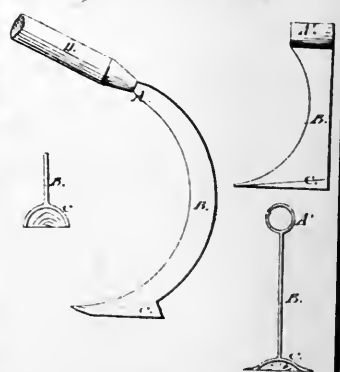
99,817, W. W. BELL. CAR COUPLING.

99,801, HENDERSON WILLARD.  
STOVE FOR BURNING STUMPS.99,809, SIMEON ATLA.  
CARRIAGE-WHEEL HUBS99,818, CHARLES W. BENSON.  
RAILWAY CAR-COUPPLINGS.99,802, GEO. G. WINANS.  
ELEVATING APPARATUS.99,810, LORING ATWOOD,  
EDWARD RIPLEY.  
WOOD-TURNING LATHE99,819, H. H. BIGARD,  
E. H. KELLOGG,  
N. A. PRENTISS.  
CHURNS.99,803, EDWARD J. WORCESTER.  
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SOAP MIXTURE.

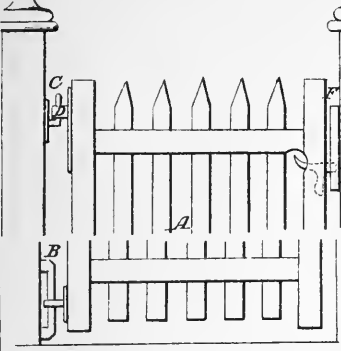
99,812, J. W. BALDWIN. GLOBE-VALVES.

99,820, SAMUEL H. BINGMAN.  
COMBINED REEL AND RAKE FOR  
HARVESTERS99,804, W. H. YOUNG.  
FARE-BOXES FOR STREET-CARS.99,813, C. M. BANKS.  
SPRING FOR RAILWAY-CARS99,814, GOTTLIEB M. BARTIL.  
ROTARY WINDOW-WASHER

99,821, LESTER L. BOND. HOES.

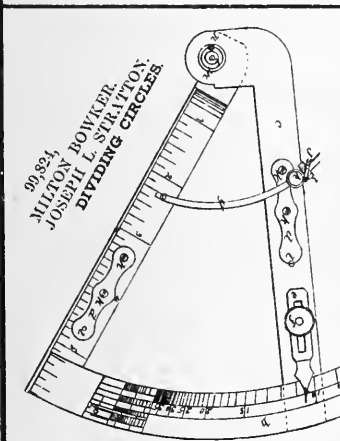
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WELDING CAST OR BESSEMER STEEL

99,822, CHARLES S. BONNEY. GATES.



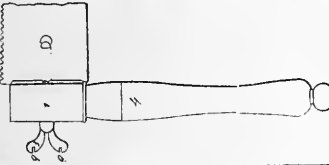
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INDIGO SOAP.

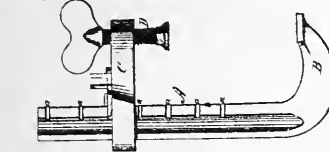


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HANDLES FOR CROSS-CUT SAWS.

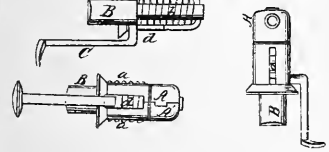


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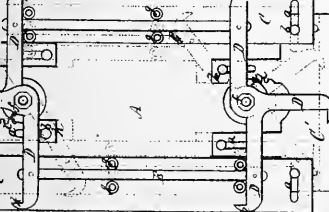
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SASH-HOLDER.



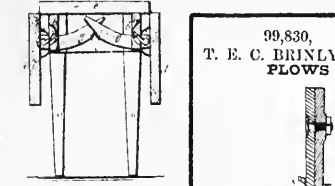
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BOLT-WORK FOR SAFE DOORS.



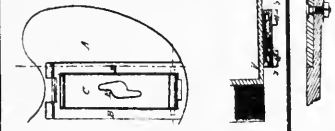
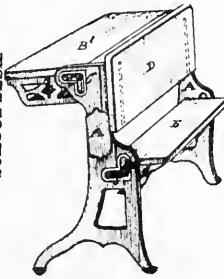
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TABLE-LEAF SUPPORT.

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T. E. C. BRINLY.  
FLOWS.

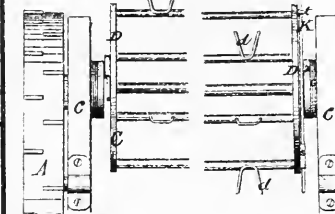
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SEAL LOCK.

99,832,  
JOHN DAVID BROWNE.  
SCHOOL DESK.

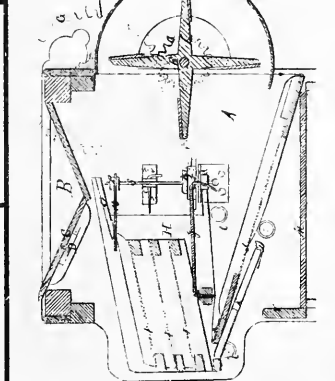
99,833, ROBERT BRYSON.

HAY-TEDDERS.

99,834, M. H. BUCHANAN.  
BRIDLE.

99,835, HIRAM BURDICK.

GRAIN-SEPARATORS.



99,836, O. S. BURGESS. SR.

WASHING-MACHINE.



99,837, THOMAS BURGIN.

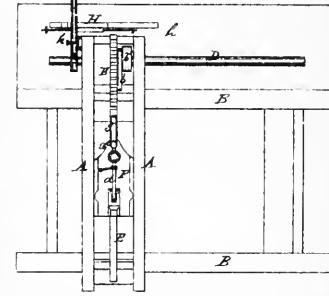
CURTAIN-FIXTURE.



99,838, JOHN H. BURKET.

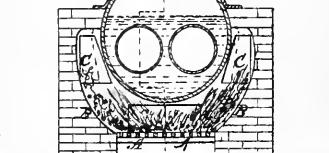
GEORGE BURKET.

HEAD-BLOCK FOR SAW-MILLS.



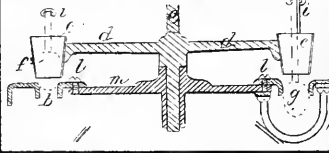
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BOILER FURNACES AND FLUES.



99,840, GEO. A. BURROUGH.

TEASEL-GRADING MACHINES.



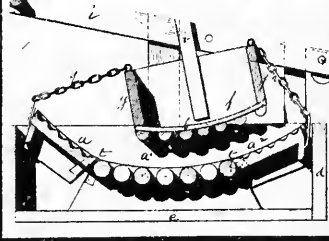
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SLATE-FRAMES.

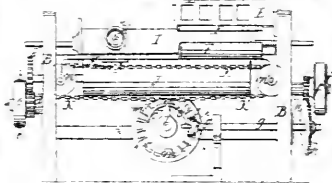


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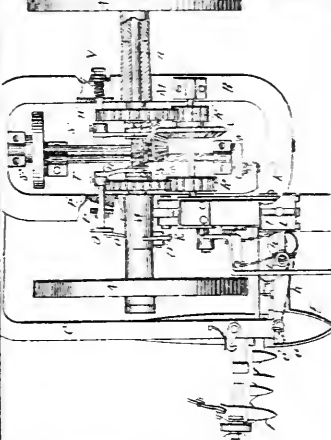
WASHING-MACHINE.



99,843. DUNCAN McFARLANE.  
SAMUEL CAMPBELL.  
WARPING-MACHINES



99,850. GRANT T. COOLMAN  
CHARLES M. YOUNG.  
HARVESTERS

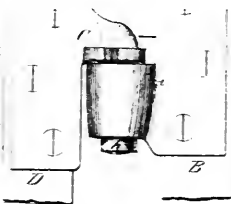


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IMPROVED PAINT.

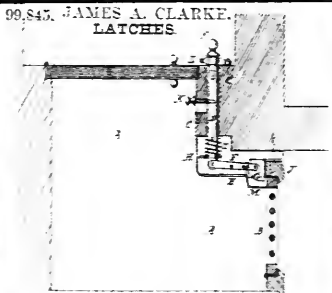
99,857. JOHN S. DAGGETT.  
TO FLOORS OF RAILROAD-CARS  
DEVICE FOR ATTACHING SPITTOONS



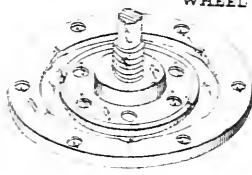
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CLAS. B. CLARK.  
BLIND-HINGE.



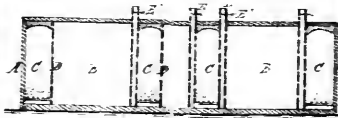
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LATCHES



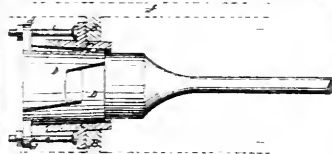
99,851. ALMOND F. COOPER.  
CARRIAGES AND OTHER VEHICLES.  
WHEEL FOR



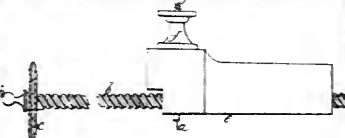
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BRICK-KILNS



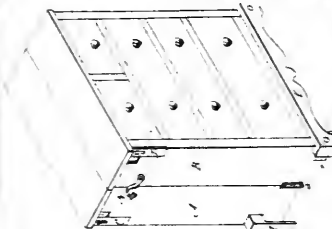
99,846. JOHN CLARK. PISTON-PACKING.



99,853. GERMOND CRANFELL.  
INSTRUMENT FOR DESCRIBING SPIRALS



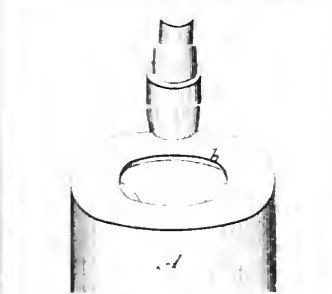
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FOLDING BEDSTEAD



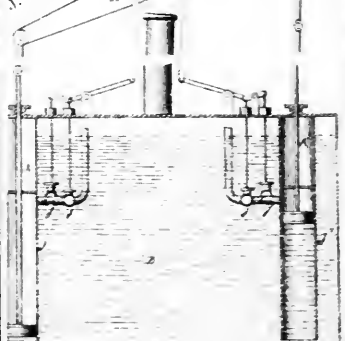
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JOHN D. CROCKER.  
PICTURE-FRAME  
FASTENING.



99,848. J. H. COLLEDGE AND PLUNGER



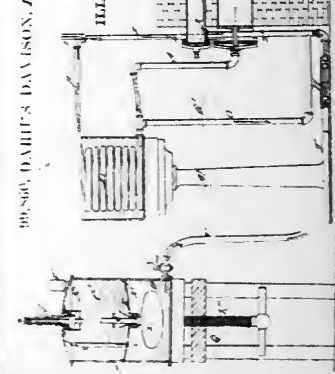
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J. F. CULVER, M. D.  
STEAM-ENGINE



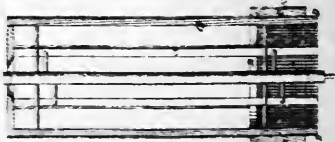
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ROBERT DARTINGTON.  
ELLY L. WATSON.  
MACHINE FOR DIGGING



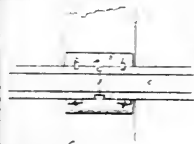
99,860. DARRIE'S DAVIDSON. APPARATUS FOR  
GENERATING  
ILLUMINATING GAS.



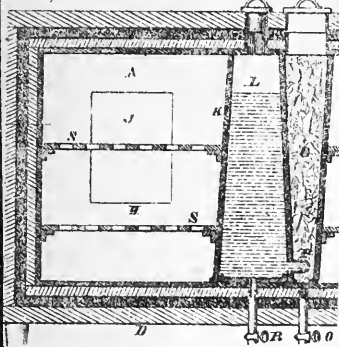
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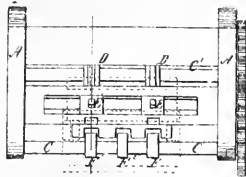
99,849.  
HIRAM COOK.  
FISH-JOINTS FOR  
RAILWAY-RAILS



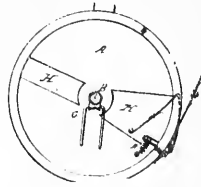
99,862, H. M. DIGGINS. REFRIGERATOR.



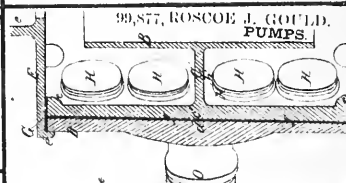
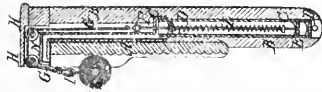
99,869, DAVID EYNON. MACHINE FOR SLOTTING RAILROAD-CHAIRS.



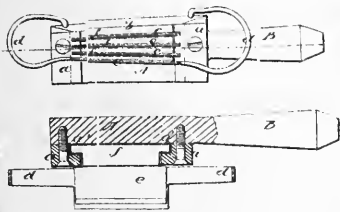
99,876, R. H. GILBERT. BLOWING APPARATUS.



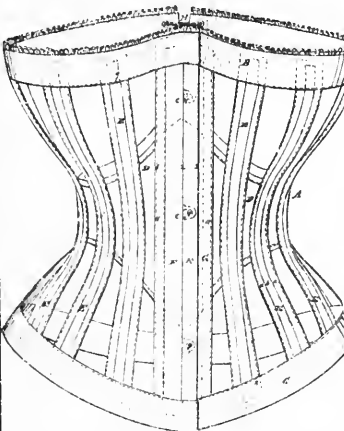
99,870, PETER FALARDO, GEO. H. SNOW. HAND CLOTHES-WASHER.



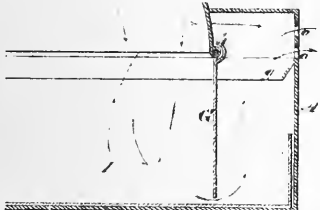
99,863, A. W. DORR. TOOL FOR CHECKING TIMBER.



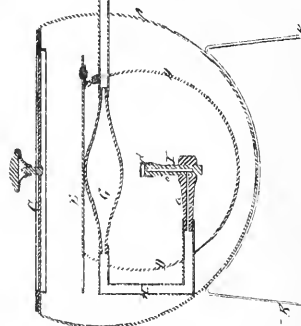
99,871, D. H. FANNING. SKELETON CORSETS.



99,861, OCTAVIUS A. EBERT. ATTACHMENT FOR HOT-AIR REGISTERS.

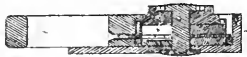


99,878, B. D. GREENE. VAPOR-BURNER.

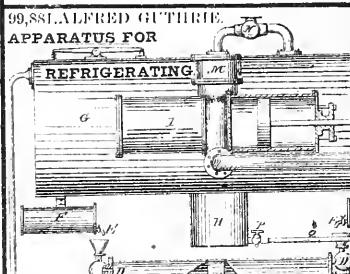


99,879, ERNEST GREENFIELD. MANUFACTURE OF LOZENGES AND CONFECTIONERY.

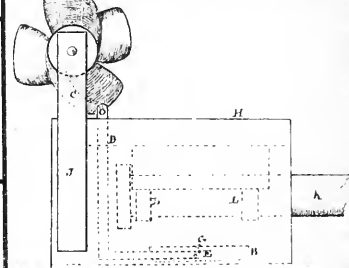
99,872, GEO. K. FARRINGTON. COMBINATION PADLOCKS.



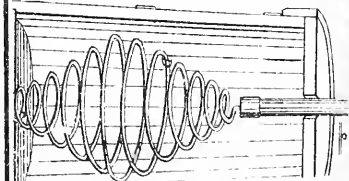
99,880, ERNEST GREENFIELD. CRACKERS, OR MEAT BISCUITS.



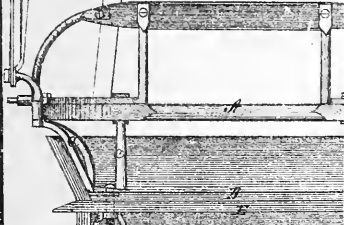
99,882, JOHN T. HAGERTY. RAILWAY-CAR AXLE-BOX.



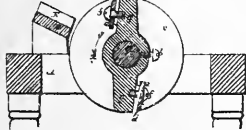
99,883, W. H. HAINES. EGG-BEATER.



99,865, DAVID ELDRIDGE. SHIFTING BUGGY-TOPS.



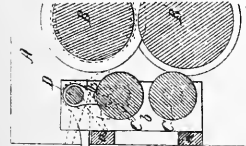
99,866, SETH C. ELLIS. MACHINE FOR LAYING OUT DOORS AND SASH.



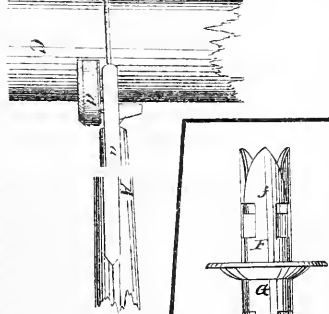
99,867, WILLIAM EVANS. SPRING-BRACE FOR CARRIAGES.



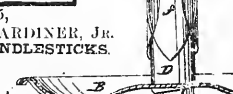
99,868, DAVID EYNON. MACHINE FOR ROLLING RAILROAD-CHAIRS.



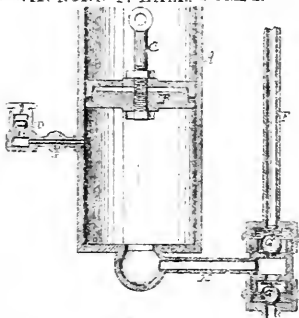
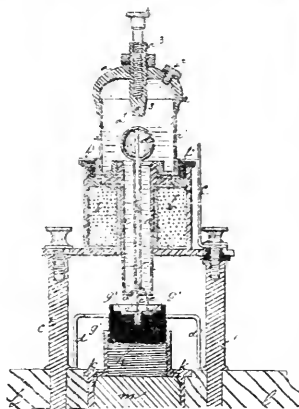
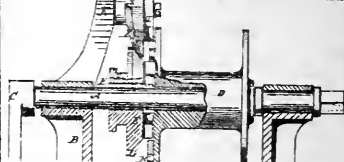
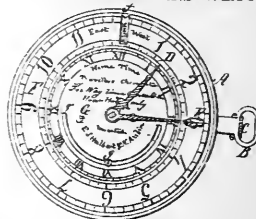
99,874, EUGENE G. GAILLAC. BOOMS FOR VESSELS.



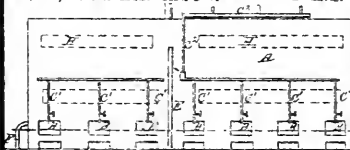
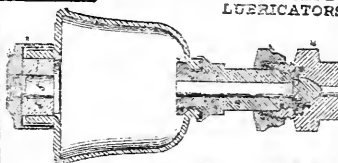
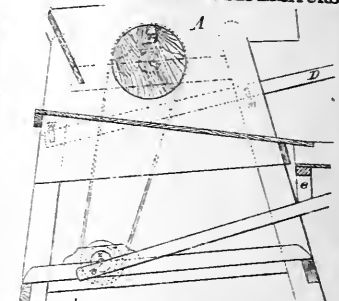
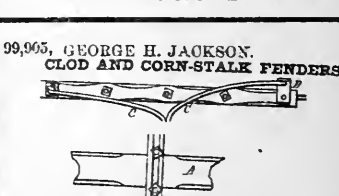
99,875, SAM'L. GARDINER, JR. CANDLESTICKS.



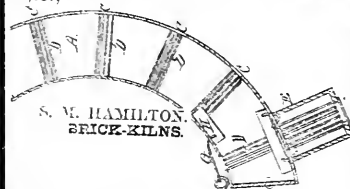
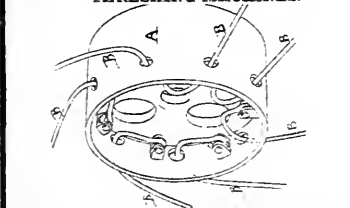
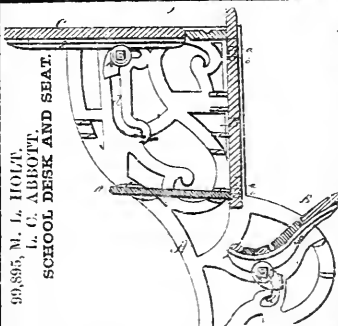
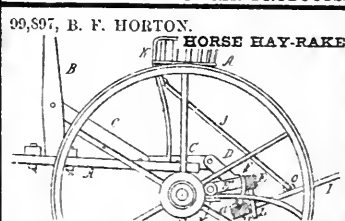
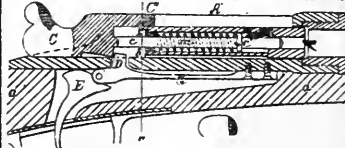
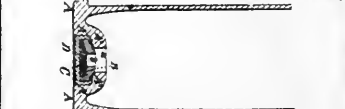
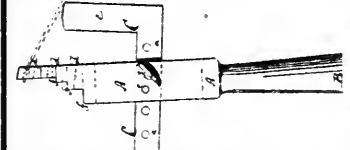
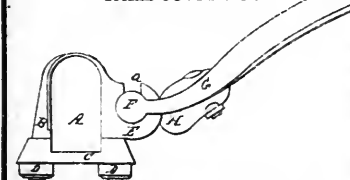
99,881, MORGAN P. HALL. PUMPS.

99,883, JNO. HALLIDAY.  
COLORING MATTER TO BE USED  
IN VULCANIZED RUBBER.99,900, W. T. HOWARD.  
OLIVER REEDER.  
OYSTER-DREDGE WINDLASS.99,901, JNO. HUGHES.  
ATTACHMENT FOR LAMP-CHIMNEYS.99,902, EDWIN JAMES HULBERT.  
N. AUBIN.  
ADJUSTABLE DIALS  
FOR TRAVELERS WATCHES.

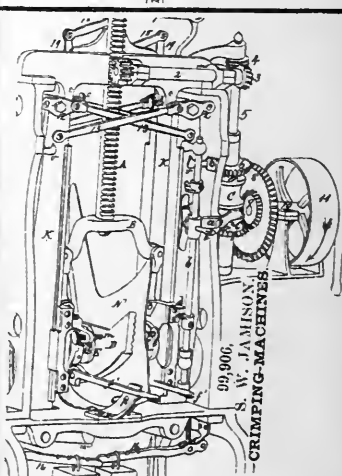
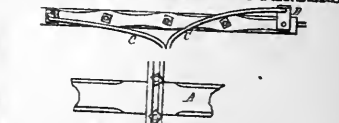
99,886, S. M. HAMILTON. BRICK-KILNS.

99,893, BYRON R. HILL.  
REVOLVING FIRE-ARMS.99,894, TIMOTHY HOLLAND.  
LUBRICATORS99,903, HERBERT A. HUMMER.  
GRAIN-SEPARATORS.99,904, JAMES HUNTER.  
OBTAINING Madder EXTRACT.

99,587,

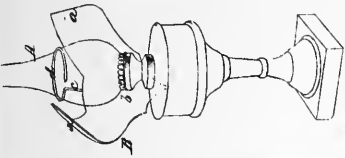
S. M. HAMILTON.  
BRICK-KILNS.99,888, GEORGE B. HAMLEN.  
THRESHING-MACHINES.99,895, M. L. HOLTY.  
L. C. AUBOVI.  
SCHOOL DESK AND SEAT.99,896, WILLIAM J. HOOPER.  
THEODORE HOOPER.  
TREATING FISH AND ANIMAL  
MATTERS TO OBTAIN OILS, FATS  
AND OTHER PRODUCTS.99,898, B. B. HOTCHKISS.  
BREECH-LOADING FIRE-ARMS.99,899, B. B. HOTCHKISS.  
PRIMERS FOR CARTRIDGES.99,880, H. A. HARRIS.  
SAW-SET.99,890, ALBERT S. HARRY.  
THRILL-COUPINGS.

99,891, T. S. HATTERSLEY. SPLIT RING

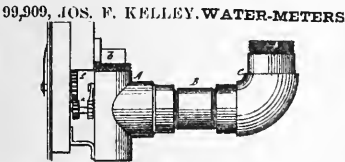
99,892, E. S. HIDDEN. RELAYS FOR  
TELEGRAPHIC INSTRUMENTS.99,905, GEORGE H. JACKSON.  
CLOD AND CORN-STALK FENDERS.99,906,  
S. W. JAMISON.  
CRIMPING-MACHINES.



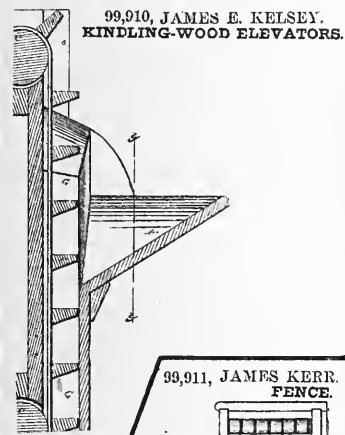
99,907, HENRY M. JOHNSTON.  
PIGMENTS FOR DISTEMPER PAINTING.



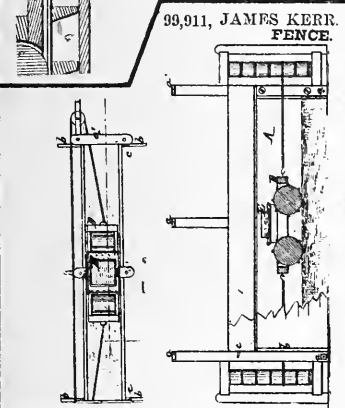
99,908, FREDERICK JUDSON.  
REFLECTORS FOR LAMPS.



99,909, JOS. F. KELLEY. WATER-METERS.

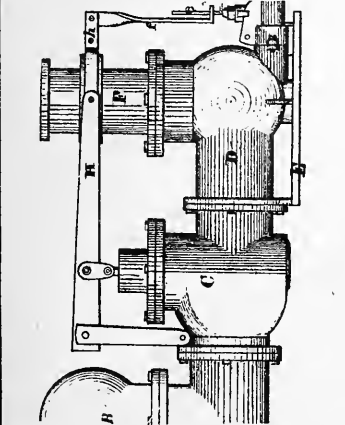


99,910, JAMES E. KELSEY.  
KINDLING-WOOD ELEVATORS.

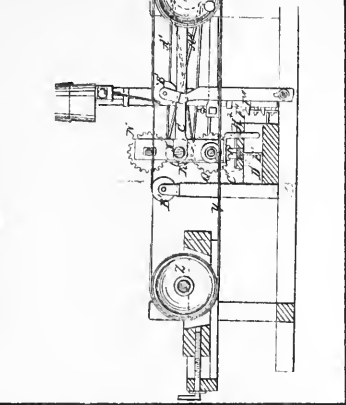


99,911, JAMES KERR.  
FENCE.

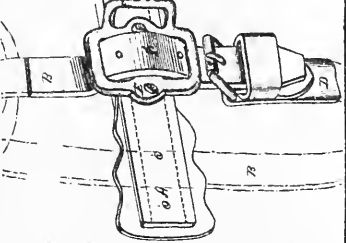
99,912, LEWIS Y. KETCHAM.  
JAMES TAYNTON.  
YARD AND TANK-CRANES.



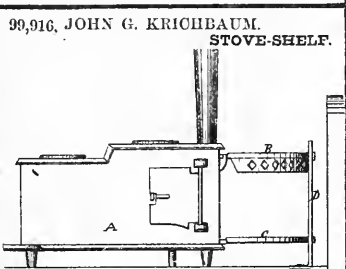
99,913, HORATIO KEYES.  
MACHINE FOR SMOOTHING SPOKES.



99,914, WILLIAM R. KNOWLES.  
TRACE-BUCKLE FOR HARNESS.

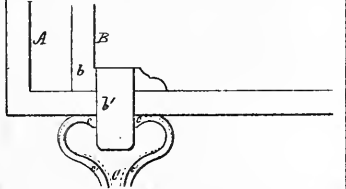


99,915, G. A. KNOWLTON. ELACKEAILS  
FOR BOOT AND SHOE-MAKERS.



99,916, JOHN G. KRICHAUM.  
STOVE-SHELF.

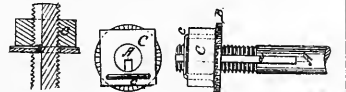
99,917, LYSANDER L. LAMB.  
SLIDING SQUARE AND CALIPER.



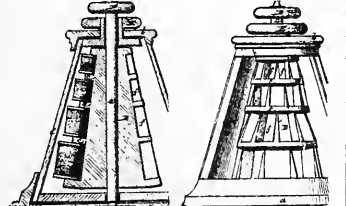
99,918, GEO. LANE. NECK-TIES.



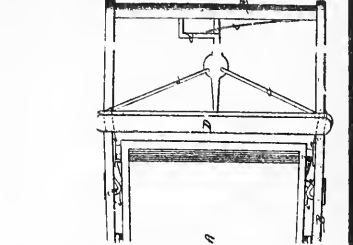
99,919, M. LANGHORNE. LOCK-NUT.



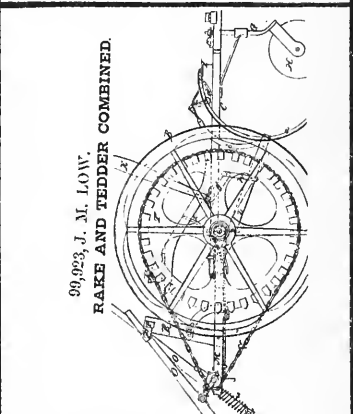
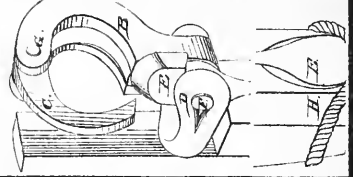
99,920, J. N. LEONARD. SHOW-CASE  
FOR SPOOLS AND OTHER ARTICLES.



99,921, CYRUS LITTLE.  
ROAD-SCRAPER.

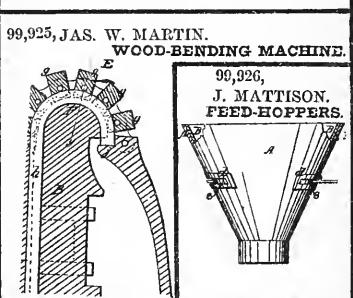


99,922, SAM. L. LORD.  
BOAT-DETACHING APPARATUS.

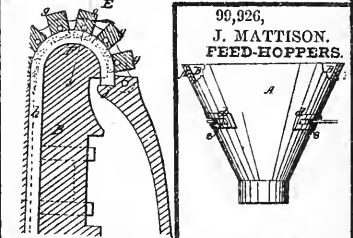


99,923, J. M. LOW.  
RAKE AND TEDDER COMBINED.

99,924, ORAZIO LUGO.  
MANUFACTURE OF FERTILIZERS AND  
IN EXTRACTING OILS AND FATS.

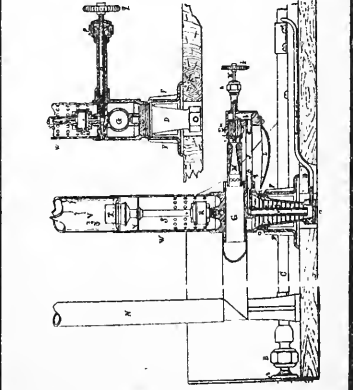


99,925, JAS. W. MARTIN.  
WOOD-BENDING MACHINE.

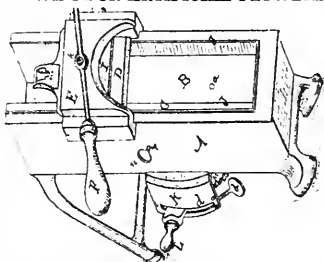
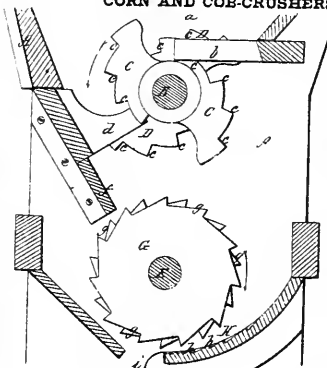
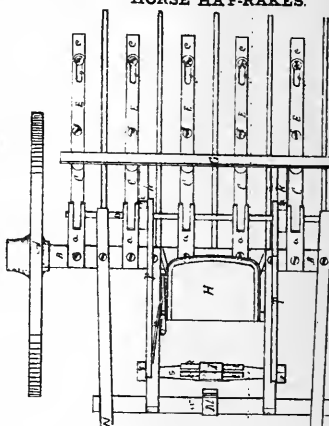


99,926,  
J. MATTISON.  
FEED-HOPPERS.

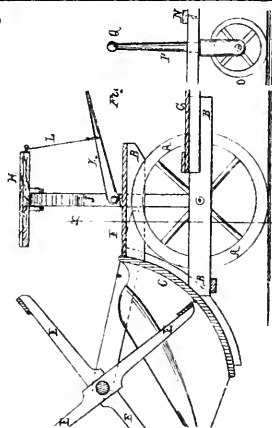
99,927, HIRAM S. MAXIM.  
APPARATUS FOR GENERATING  
GAS FOR HEAD-LIGHTS.





99,928, MARY JANE McCOLL, CUTTING  
WAX FOR ARTIFICIAL FLOWERS.99,933, J. M. MOWRER.  
CORN AND COB-CRUSHERS.99,939, JOHN K. O'NEIL.  
HORSE HAY-RAKES.

99,929,

J. B. McCOORMIK.  
HARVESTERS.

99,934, C. MUIR.

STOVE LINING AND FIRE BRICK.

99,935, J. MURPHY.

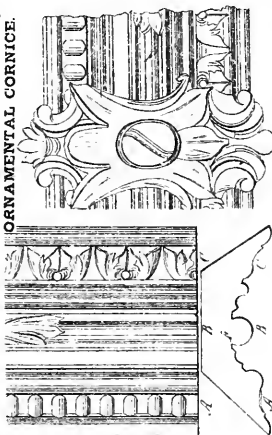
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INDIA RUBBER AND

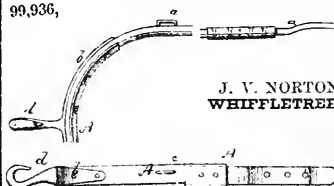
GUTTA PERCHA GOODS.

99,940, WM. H. H. PALMER.  
SHINGLE-MACHINE.99,941, EDWARD PARKER.  
SCAFFOLD BRACKETS.

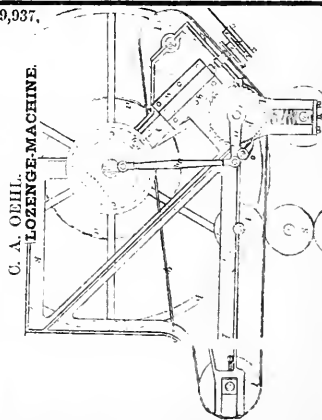
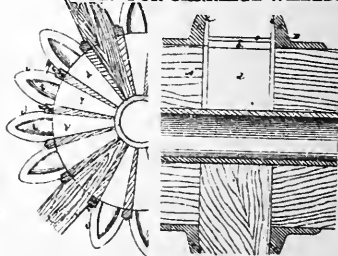
99,930,

THOS. J. McGEARY.  
ORNAMENTAL CORNICE.

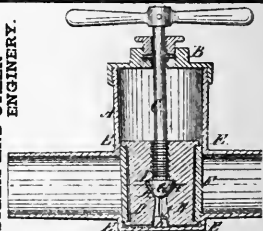
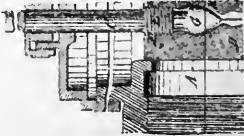
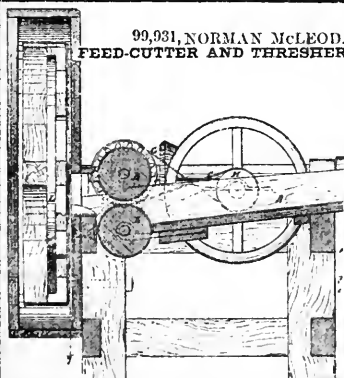
99,936,

J. V. NORTON.  
WHIFFLETREES.

99,937,

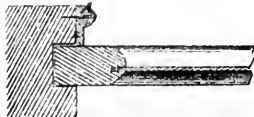
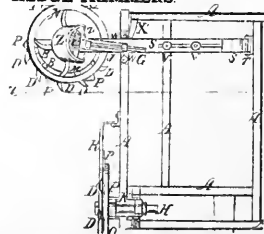
C. A. OEHLE.  
LOZENGE-MACHINE.99,942, WILLIAM C. PEARSALL.  
HUBS FOR CARRIAGE-WHEELS.

99,943,

S. J. PEET.  
STOP-VALVES FOR  
STEAM AND OTHER  
ENGINEERY.99,944, S. J. PEET. STOP-VALVES  
FOR STEAM AND OTHER ENGINEERY.99,931, NORMAN McLEOD.  
FEED-CUTTER AND THRESHER.

99,932, WILLIAM MILLER.

WEATHER-STRIP.

99,938, DAVID OLIVER.  
HEDGE-TRIMMERS.

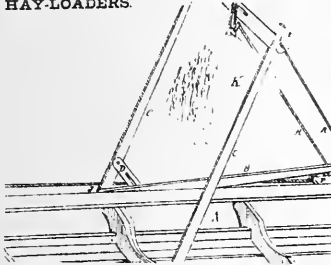
99,915, ANTHONY PEPLE.  
PREPARING CERTAIN KINDS OF  
COTTON-WASTE FOR CLEANING  
MACHINERY



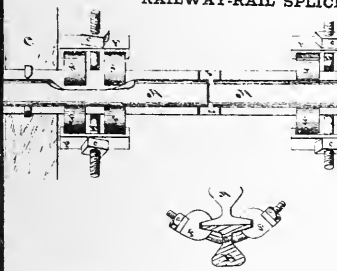
99,946,  
CHARLES F. PIERCE.  
COMBINED HARROW, ROLLER,  
AND SEED-SOWER.



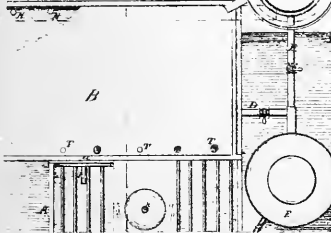
99,947, ALMON E. PRESTON.  
HAY-LOADERS.



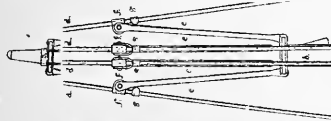
99,948, RD. RANDOLPH.  
RAILWAY-RAIL, SPLICE.



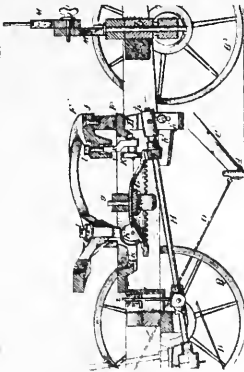
99,949, DEXTER REYNOLDS.  
PROCESS AND APPARATUS  
FOR THE MANUFACTURE OF SALT.



99,950, HORACE T. ROBBINS.  
UMBRELLAS.

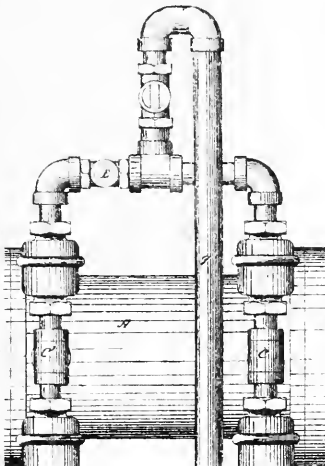


99,951, CYRUS ROBERTS.  
JOHN A. TILLOP.  
HORSE-POWERS.

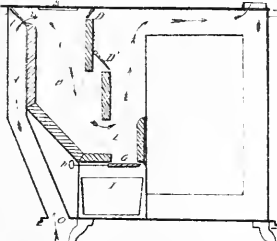


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PLATED NEEDLE

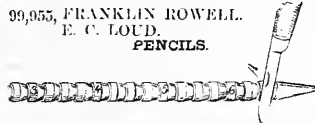
99,953, W. H. ROBERTS.  
STEAM PUMPING-ENGINES



99,954, WM. FRAZIER ROSS.  
HEATING STOVE.



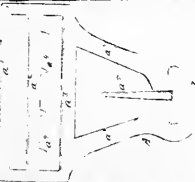
99,955, FRANKLIN ROWELL.  
E. C. LOUD.  
PENCILS.



99,956, A. D. SCHLESINGER. COLORING  
VULCANITE OR HARD RUBBER.

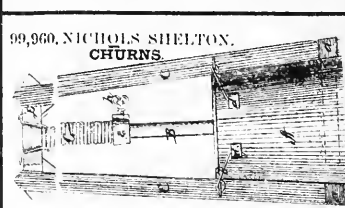


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JOHN SEAMAN.  
HARNESS-HOOK.

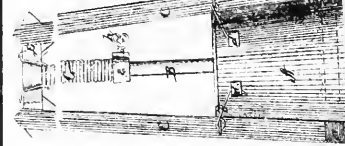


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APPARATUS FOR FORGING METALS.

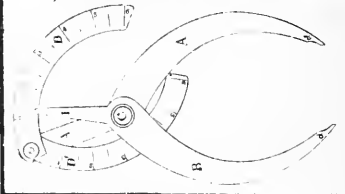
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JOHN A. SHEFFIELD.  
MEDICAL COMPOUND.



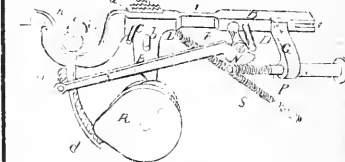
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CHURNS.



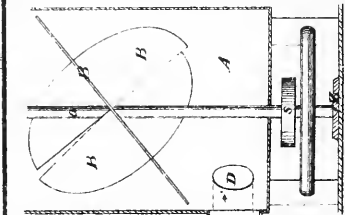
99,961, WM. SLAR. CALIPERS



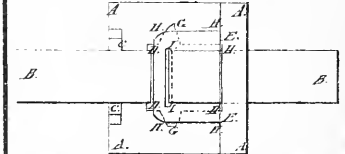
99,962, G. A. SMITH. FEEDING  
MECHANISM FOR SEWING-MACHINE.



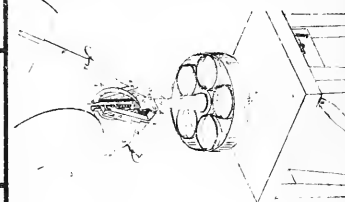
99,963, WILLIAM SMITH.  
HOT-AIR FURNACES.



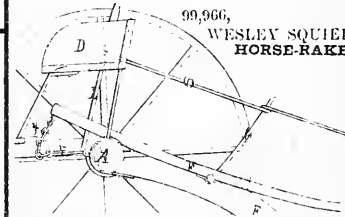
99,964, WILLIAM M. SMITH.  
COTTON-BALE TIES



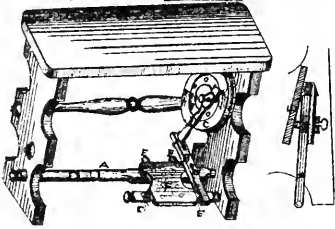
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TABLE CASTER.



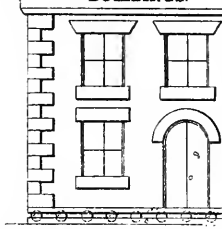
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WESLEY SQUIER.  
HORSE-RAKE.



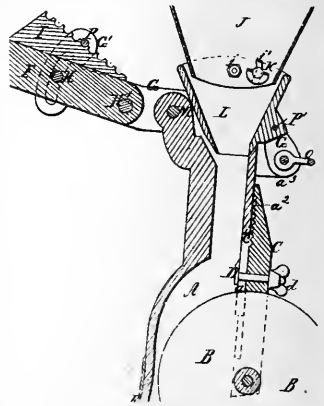
99,967, FREDERICK STANLER.  
TREADLES FOR SEWING-MACHINES.



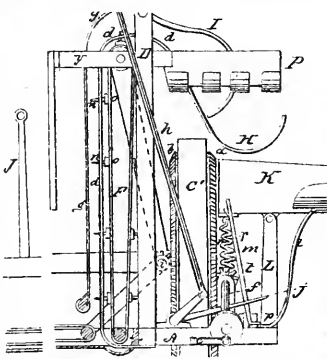
99,973, JULES TOUAILLON.  
BUILDINGS.



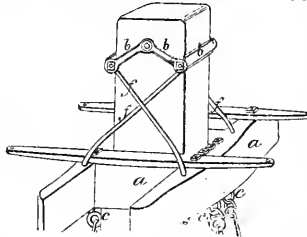
99,981, FREDERICK VILLARD.  
GRAIN-DRILL TOOTH



99,968, L. B. STILSON.  
GRAIN HARVESTER AND BINDER.

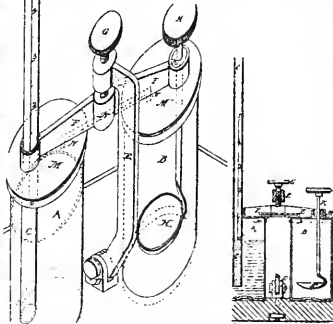


99,974, HENRY TOWNSEND.  
TRESTLE-TREES FOR VESSELS.



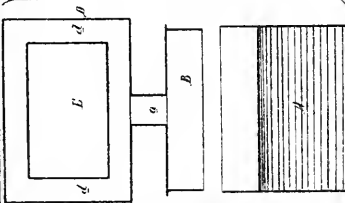
99,975, H. W. C. TWEDDLE.  
MANUFACTURE OF PARAFFINE AND

99,976, HENRY TWITCHELL.  
APPARATUS FOR ASCERTAINING  
THE AMOUNT OF ACID IN LIQUIDS.

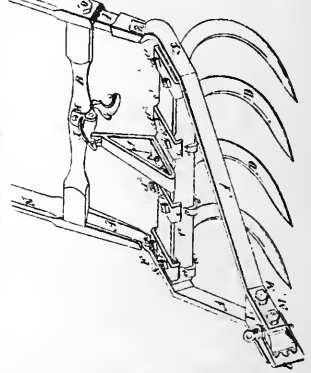


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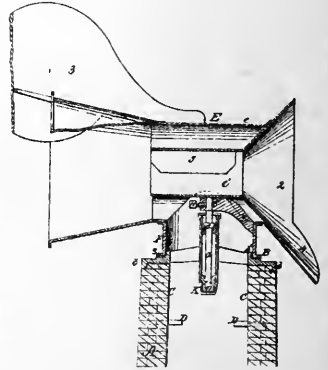
COOKING-STOVES.



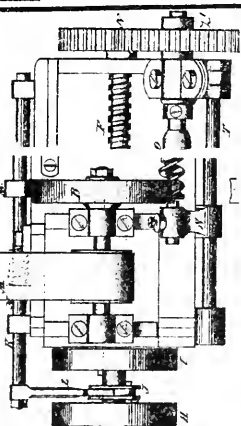
99,982, FREDERICK VILLARD.  
HAY AND MANURE-FORK



99,983, FRIEDRICH VILLARD.  
CHIMNEY-COWL.

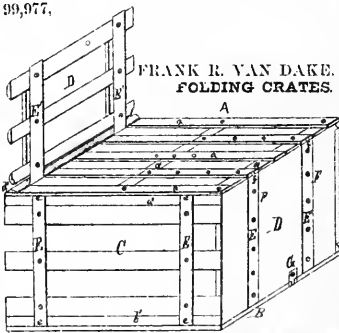


99,970, JAMES SWAN.  
MACHINE FOR  
GRINDING AND POLISHING BITS.

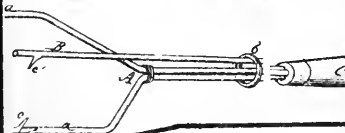


99,977,

FRANK R. VAN DAKE.  
FOLDING CRATES.



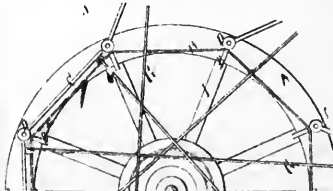
99,971, HARRISON H. TAYLOR.  
GEO. H. GRAHAM.  
TOASTING-FORK.



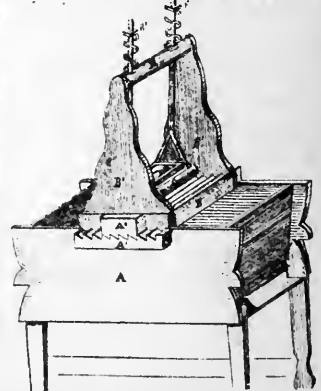
99,978, ANTHONY VAN HAAGEN  
WM. ADAMSON.  
FERTILIZER FROM GLUE RESIDUUM

99,979, ANTHONY VAN HAAGEN.  
WM. ADAMSON  
SOAP PRODUCT FROM GLUE RESIDUUM

99,980, JEROME A. VAUGHN.  
HORIZONTAL WIND-WHEELS.

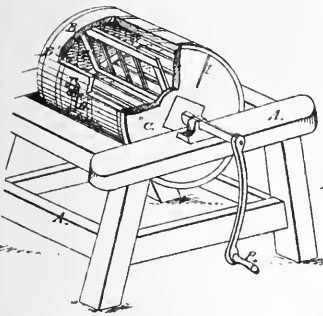
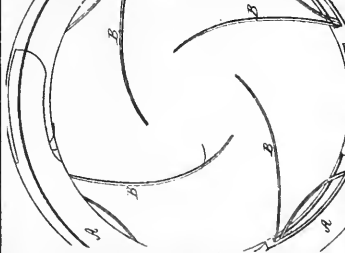
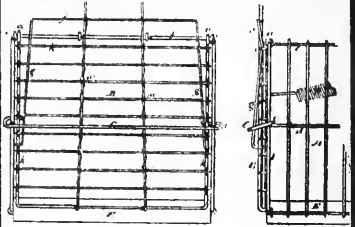
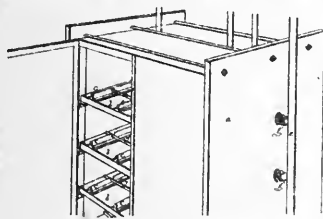
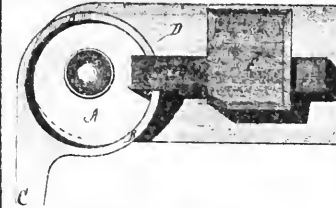
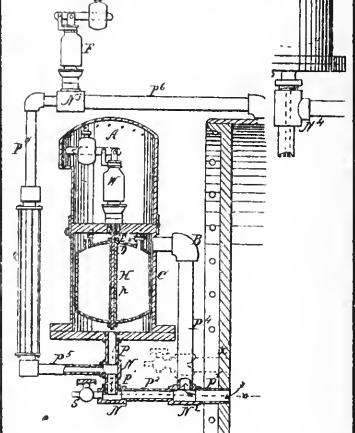
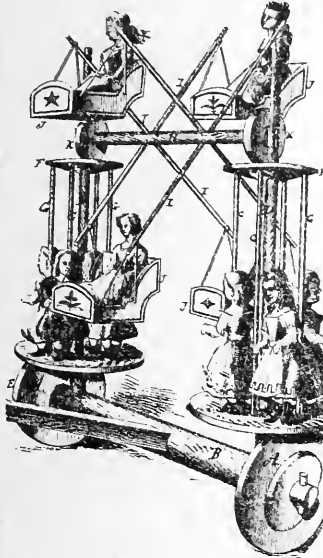
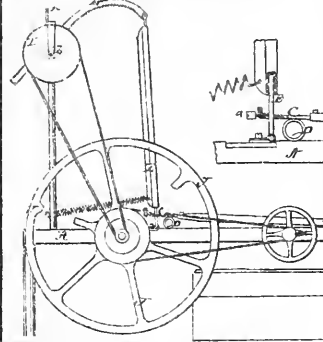
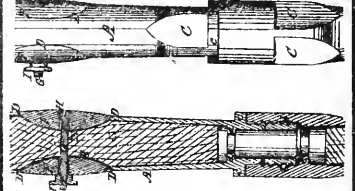
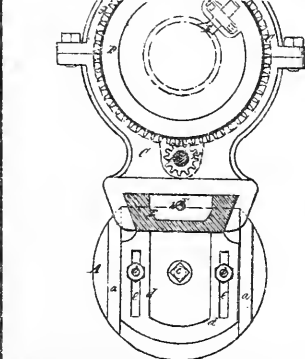
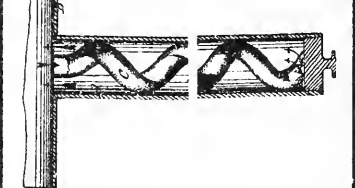
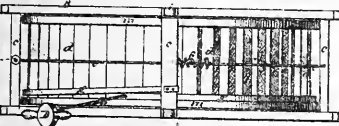
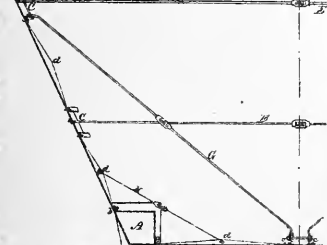
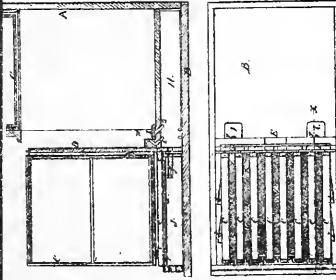
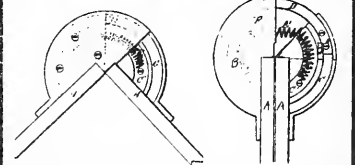


99,984, JOHN V. WACKERMAN.  
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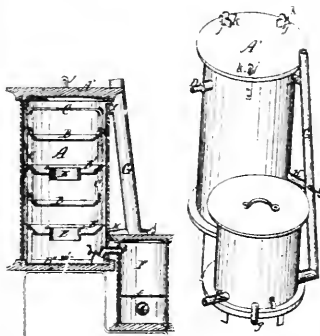
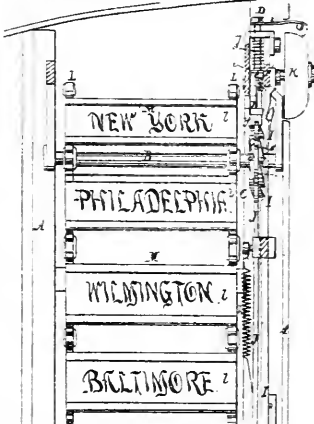
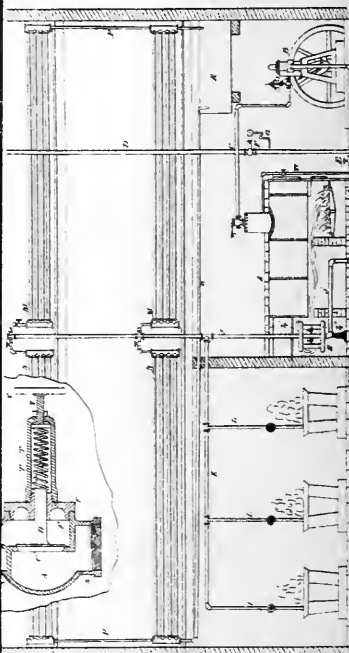
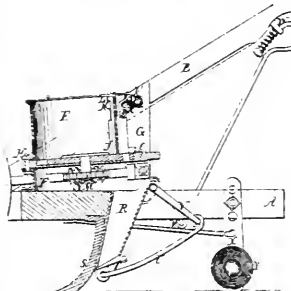
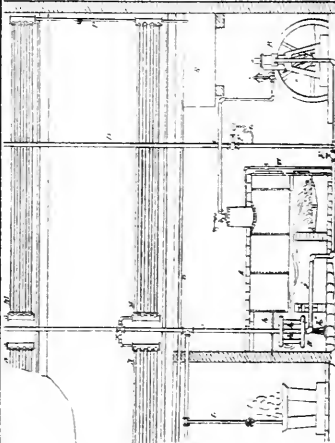
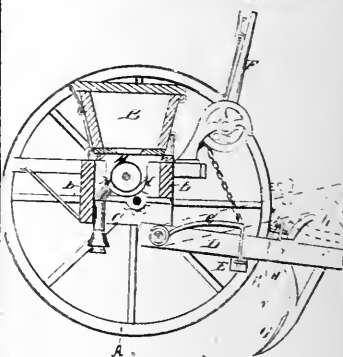
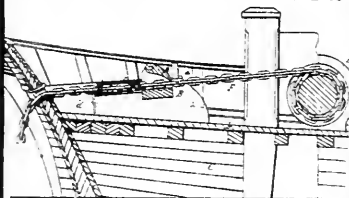
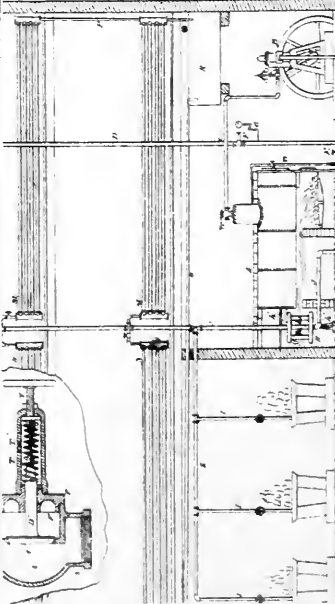
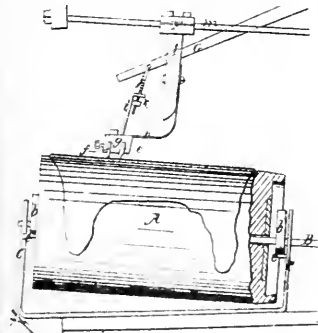
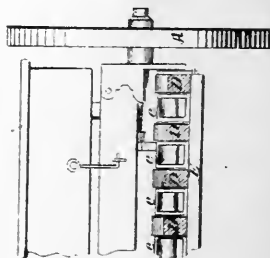
99,972, ALBERT H. TINGLEY.  
AUTOMATIC HEAT-REGULATOR  
FOR HOT-AIR FURNACES.



99,985, FRIEDRICH WEGNER.  
CHARLES SCHLEETER. **CHURNS.**99,990, JEROME WHEELOCK.  
**STEAM PISTON PACKING.**99,995, WM. F. COLLIER. **ANIMAL TRAP.**99,986, WILLIAM WELCH.  
**APPARATUS FOR DIFFUSING VAPORS  
THROUGH CUSHIONS, MATTRESSES,**99,991, SILAS WHITMAN. **CAM-LEVERS.**99,996, ROBT. BETRYMAN.  
**LOW-WATER INDICATOR**99,987, ROBERT WENT.  
**COMBINATION TOY.**99,992, H. WILKINS.  
WILLIAM H. SANGSTER.  
**MOTIVE-POWER APPARATUS.**99,997, ADAM GOOD, JR.  
**COUPLINGS FOR OIL WELLS  
SUCKER-ROD**99,993, NATHAN WRIGHT.  
**MACHINE FOR RE-TURNING  
CRANE-PINS OF LOCOMOTIVES.**99,998, JOHN C. STEVENS. **CIRCULATING-  
TUBE FOR STEAM-GENERATORS.**99,988, H. M. WHEELER. **WINDMILLS.**99,989, ALPHEUS WHEELOCK.  
**METALLIC ABUTMENTS FOR BRIDGES.**99,994, JOHN M. YOUART. **BEE-HIVES.**99,999, TIMOTHY SMITH. **HINGES.**3,834, JAMES ARMSTRONG.  
**FEED WATER HEATERS AND FILTERS.**

3,833, WM. W. AVERELL.

MANUFACTURE OF CAST-STEEL

3,841, AMOS C. RODGERS.  
LEWIS SHAFFER.  
RAILROAD-STATION INDICATORS.3,815, JOSEPH SHACKLETON.  
STEAM-HEATER3,836, JAMES CAMPBELL.  
WILLIAM CAMPBELL.  
CORN-PLANTERS.3,842, JUNIUS SCHENCK  
MANUFACTURE OF HOSE TUBING.  
AND OTHER RUBBER FABRICS.3,843, JOSEPH SHACKLETON.  
STEAM-HEATER3,846, W. A. VAN BRUNT.  
SEEDING-MACHINES.3,837, JOSEPH H. DEACON. ALCOHOLIC  
LIQUOR FROM THE RHUBARB PLANT.3,838, J. J. EMERY.  
E. R. CHENEY.  
SURGE-RELIEVERS.3,844, JOSEPH SHACKLETON  
STEAM-HEATER3,839, HENRY LAMPERT. APPARATUS  
FOR SCRAPING AND WORKING HIDES.3,840, ORAZIO LUGO  
GUANO FROM FISH  
MANUFACTURE OF FERTILIZERS OR



## ILLUSTRATIONS OF PATENTS

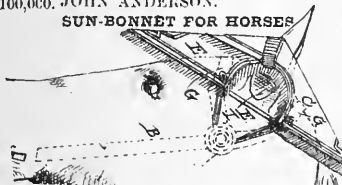
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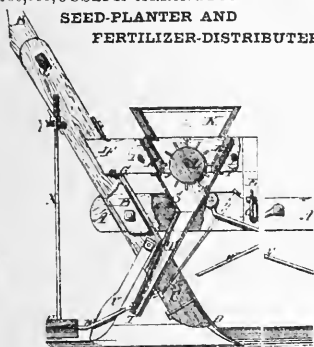
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100,000, JOHN ANDERSON.

SUN-BONNET FOR HORSES

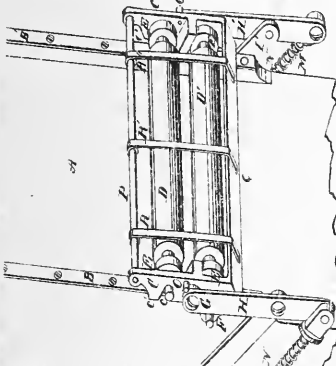
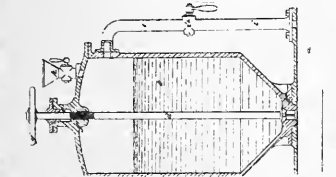


100,001, JOSEPH ARRINGTON.

SEED-PLANTER AND  
FERTILIZER-DISTRIBUTER.

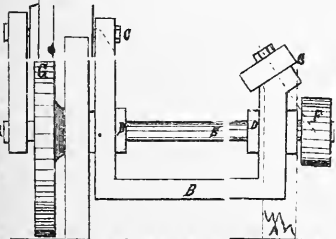
100,002, HENRY BARTH

PRINTING-PRESSES.

100,003, HENRY BESSEMER. PROCESSES  
AND APPARATUS FOR THE  
MANUFACTURE OF IRON

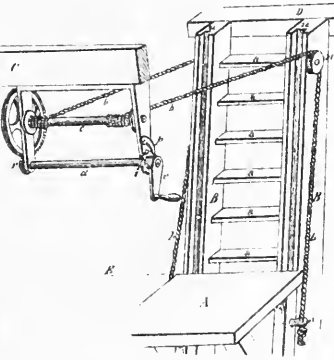
100,004, JAMES M. BEVELER.

HANGING CRANK-SHAFTS.

100,005, MARCAR WAHRAM BEYLIGY.  
MANUFACTURE OF WATER-PROOF  
FABRICS FROM WASTE RUBBER.

100,006, HENRY L. BOWERS

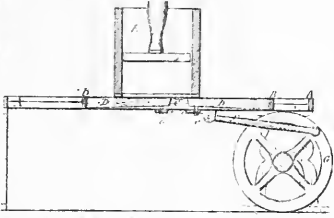
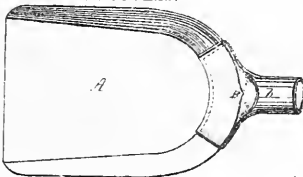
CELLAR-HOIST OR ELEVATOR.



100,007, CHAS. J. MANN.

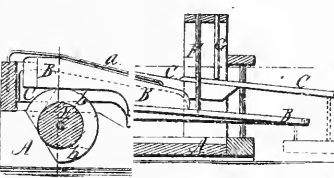
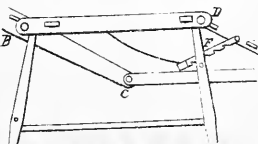
WM. A. BOYDEN.

VEGETABLE-CUTTERS.

100,008, JAMES F. BREWER.  
COAL-SHOVELS.

100,009, JOHN C. BRIGGS.

MELODEON ACTION.

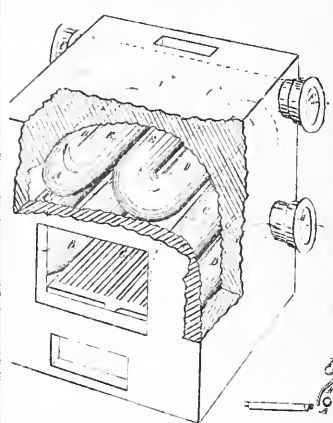
100,010, LORENZO BROWN  
SEAT-FASTENERS.100,011, WILLIAM A. BURY.  
RECLINING CHAIR.

100,012, A. B. CALDWELL. UMBRELLAS.



100,013, S. E. CHUBBUCK.

WATER-HEATER FOR GREEN-HOUSES.

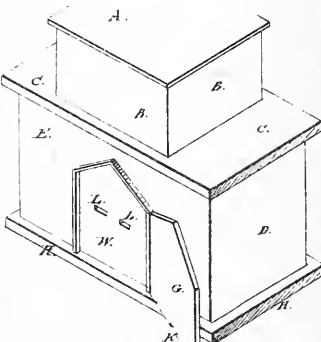


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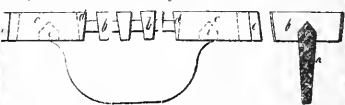
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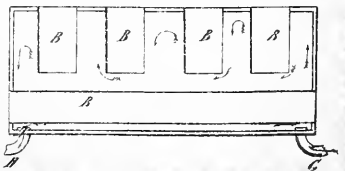
100,015, H. B. COOPER. BEE-HIVES.



100,016, THOMAS S. DAVIS. GRATE-BARS.

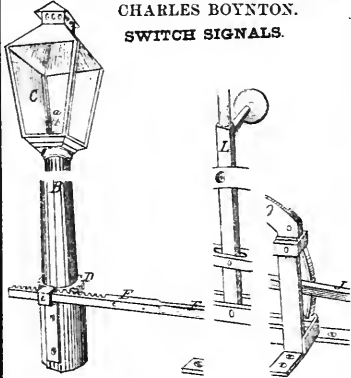


100,017, JOS. M. DE LACY.

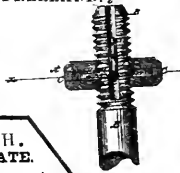
STEAM-HEATER  
FOR BURNISHING-IRONS.



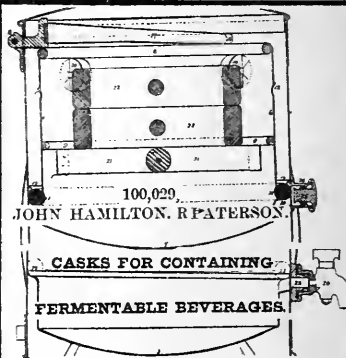
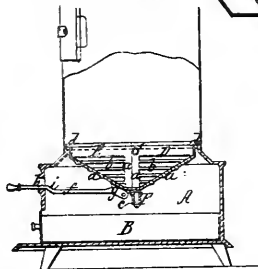
100,018, HENRY A. EPNER.  
CHARLES BOYNTON.  
SWITCH SIGNALS.



100,023 OSWALD S. FREELAND.  
NUT-LOCK.



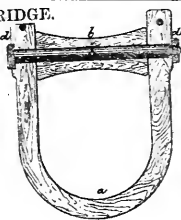
100,024, GEO. FROH.  
STOVE-GRATE.



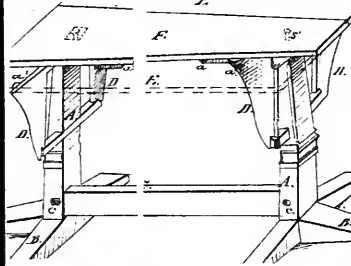
100,029  
JOHN HAMILTON, R. PATERSON.

CASKS FOR CONTAINING  
FERMENTABLE BEVERAGES.

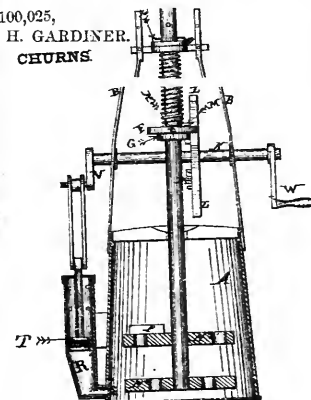
100,019, H. K. ELDRIDGE.  
JIB-HANKS  
FOR VESSELS.



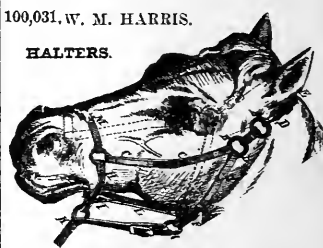
100,020, THOS. ELKINS. DINING AND  
IRONING-TABLE AND QUILTING-FRAME.



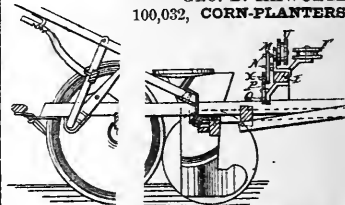
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H. GARDINER.  
CHURNS.



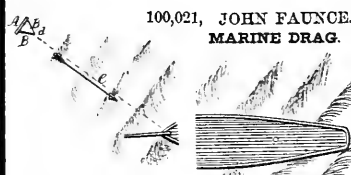
100,031, W. M. HARRIS.  
HALTERS.



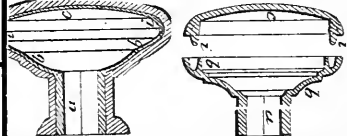
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100,032, CORN-PLANTERS.



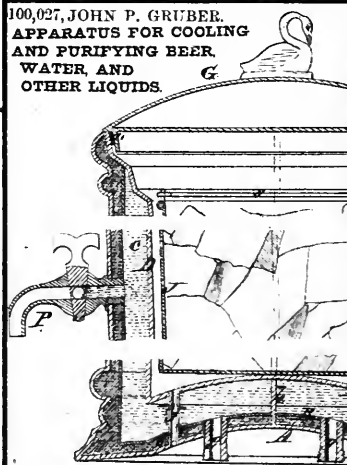
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MARINE DRAG.



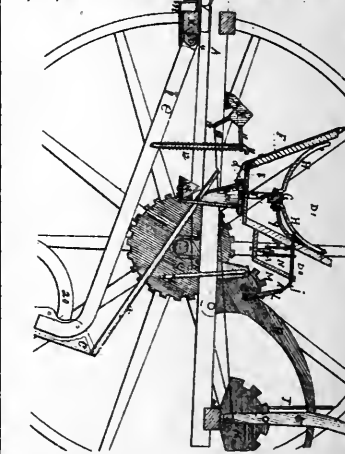
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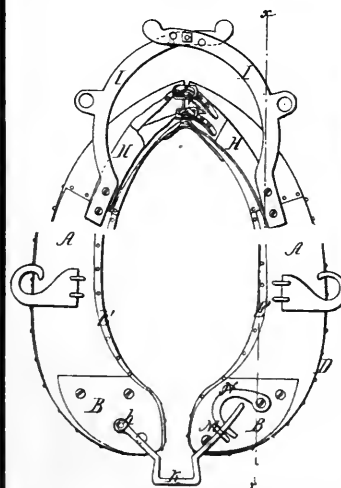
100,027, JOHN P. GRUBER.  
APPARATUS FOR COOLING  
AND PURIFYING BEER,  
WATER, AND  
OTHER LIQUIDS.



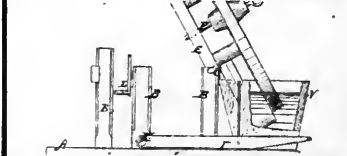
100,033, M. HAYDEN. GRAIN-DRILLS.



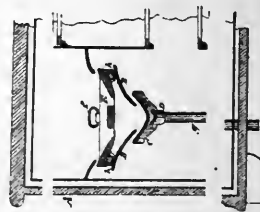
JAS. H. FERGUSON. COLLAR  
100,022 AND HAME FOR HARNESS.

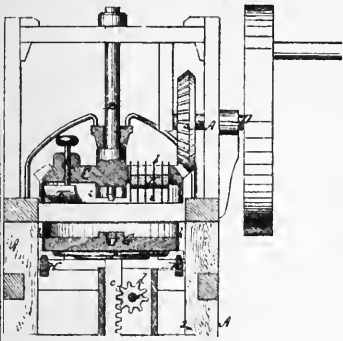
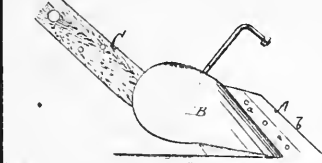
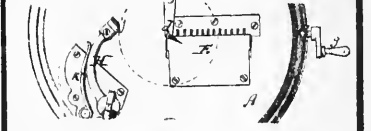
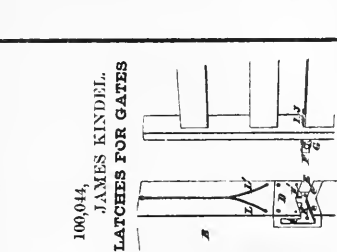
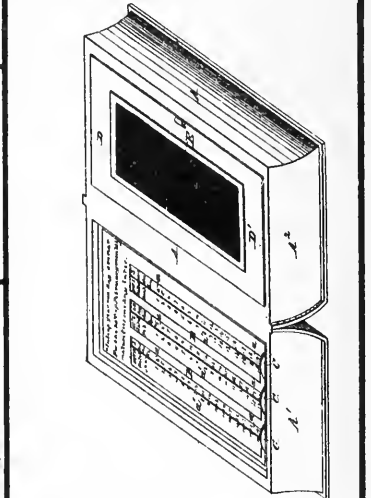
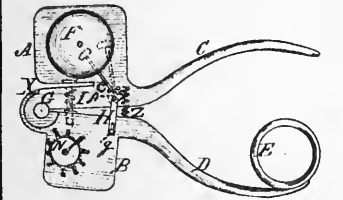
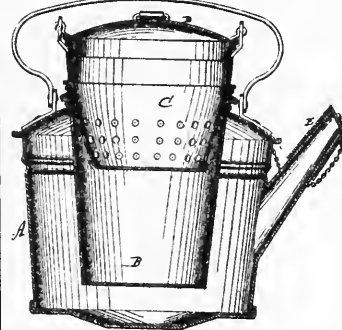
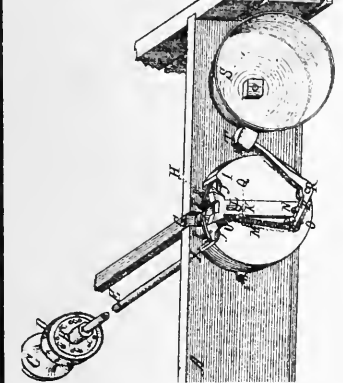
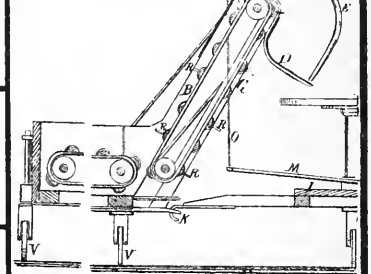
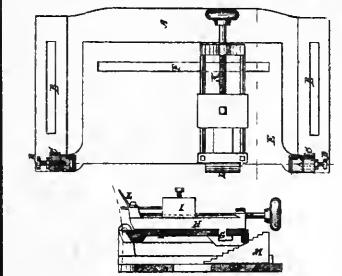
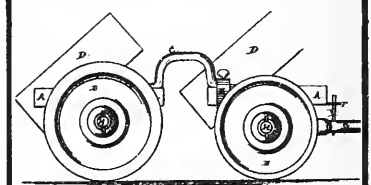
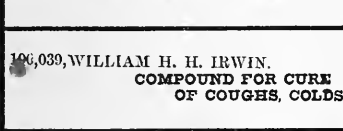
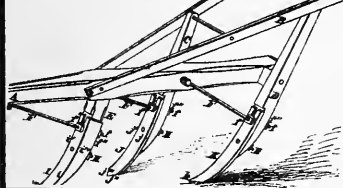
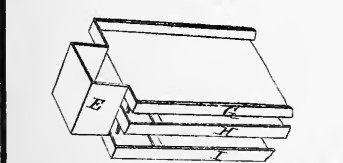
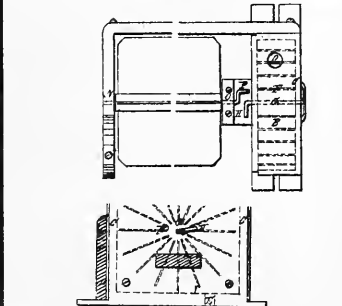
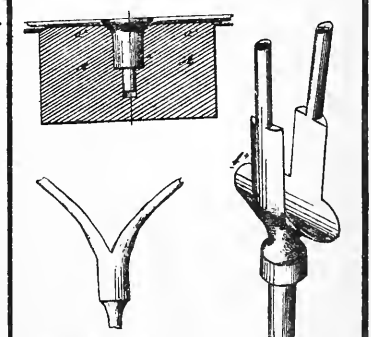


100,028, C. B. GUY. TIRE-SETTING  
AND COOLING APPARATUS.

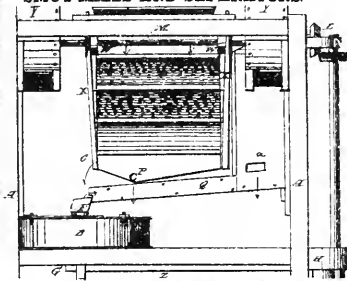


100,034, ADAM HEINZ.  
REFRIGERATOR.



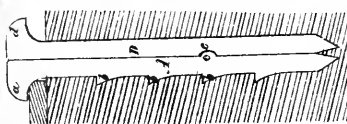
100,035, WILLIAM B. HEINTZE.  
MEAT-CUTTER100,042, A. C. JUDSON.  
FLOWS.100,049, JOHN SCHULTHEIS, GEORG LUTZ,  
MICHEL FLORENTIN.  
VEGETABLE-CUTTER100,043, MARTINUS B. KIMM.  
COMPOUND TO REMOVE GREASE  
FROM CLOTH, SILK, PAPER.100,050, S. E. MANDLEBAUM.  
COMMERCIAL PORTFOLIOS.100,036, AUSTIN D. HOFFMAN.  
REGISTERING-PUNCH  
FOR RAILROAD CONDUCTORS.100,045, G. LANDRINE.  
CULINARY VESSEL.100,037, AUSTIN D. HOFFMAN.  
TILL-ALARMS.100,051, J. McCAFFERY.  
HARVESTER.100,046, JAS. H. DAVIS.  
ZEPHANTAH A. F. LEFEBERE.  
CLASPS FOR SECURING  
WHIP-SOCKETS  
TO DASH-BOARDS.100,047, PHILIP LEONARD. TOOL-HOLDER  
FOR GRINDSTONES.100,052, EDWARD MILLER.  
DUMPING-WAGON.100,038, JAMES SPOONER HOWARD.  
ELECTROPLATING WITH ANTIMONY.100,039, WILLIAM H. H. IRWIN.  
COMPOUND FOR CURE  
OF COUGHS, COLDS.100,040, NATHAN L. ISGRIGG.  
CULTIVATORS.100,041, JAMES JACOBS.  
STEAM-GENERATORS.100,048, JOHN R. LOMAS.  
TREMOLOS FOR ORGANS.100,053, R. R. MILLER.  
SERIES OF DIES FOR FORMING  
THE HEADS OF KING-BOLTS.

100,054, ISO. MILLS.

A. G. WALDO.  
SMUT-MILLS AND SEPARATORS.

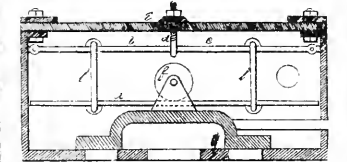
100,055, JAMES MONTGOMERY.

SPIKES FOR RAILWAYS.



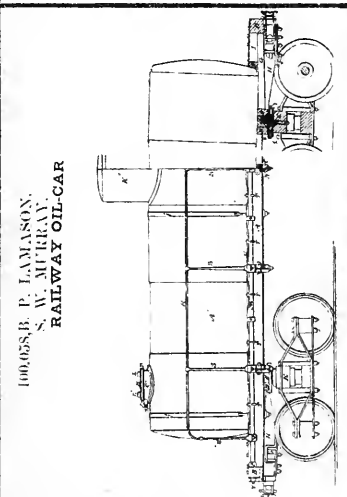
100,056, GEO. R. MOORE.

BALANCE SLIDE-VALVE



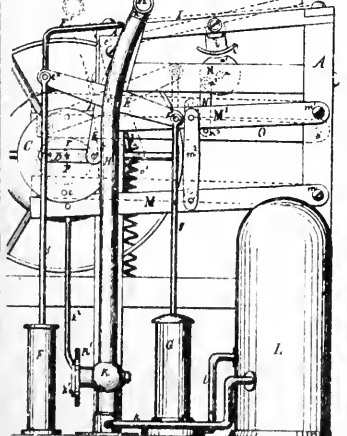
100,057, J. T. MULKEY.

OINTMENT FOR BRUISES, BURNS, &amp;c.



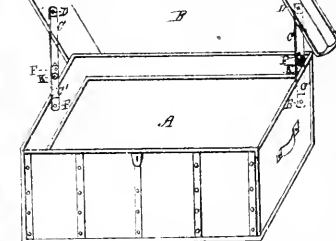
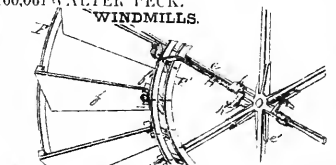
100,059, OLIVER NORELIC'S.

PAPER-FEEDERS.

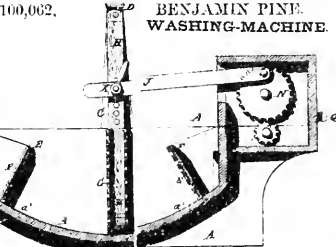
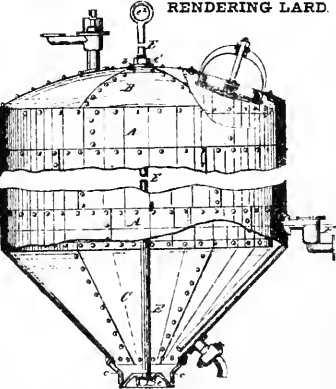


100,060, DANIEL C. O'CONNOR.

STAY FOR TRUNK LIDS.

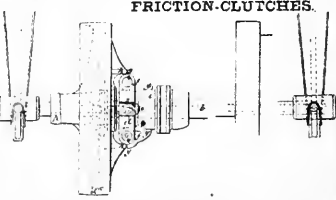
100,061, WALTER PECK.  
WINDMILLS.

100,062,

BENJAMIN PINE.  
WASHING-MACHINE.100,063, DAVID PINGER. TANKS FOR  
RENDERING LARD.

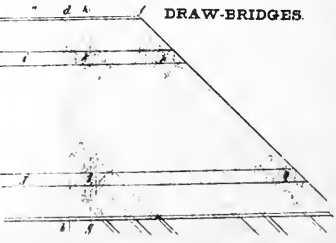
100,064, FRANCIS A. PRATT.

FRICTION-CLUTCHES.



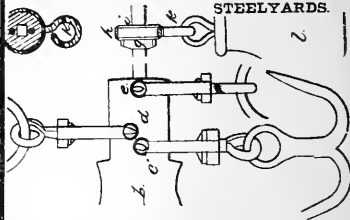
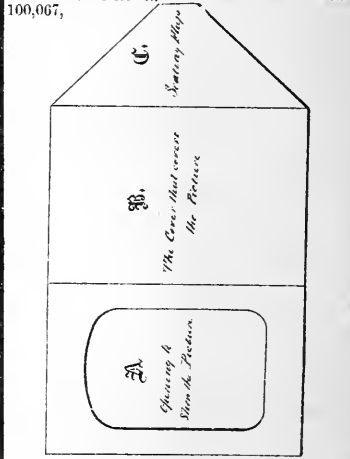
100,065, T. WILLIS PRATT.

DRAW-BRIDGES.



100,066, WILLIAM B. PRESTON.

STEELYARDS.

ROBERT PRICE, PICTURE ENVELOPES  
100,067,

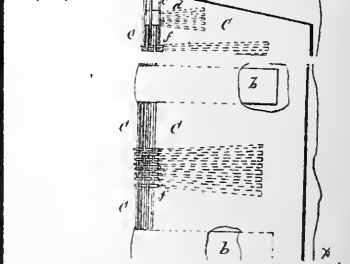
100,068, JAMES E. REQUA.

THOROUGH-BRACES.



GEO. H. REYNOLDS, BOOK-BINDING.

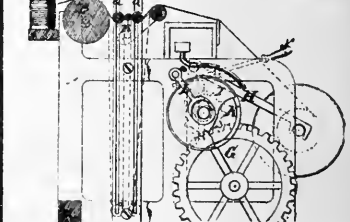
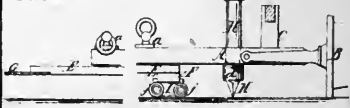
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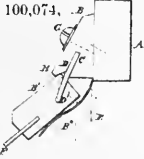
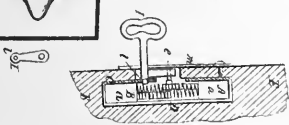


100,070, ROSCOE C. REYNOLDS.

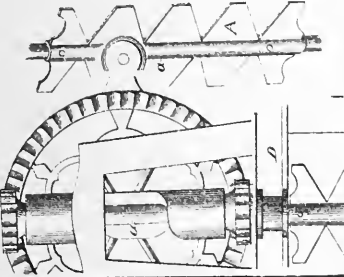
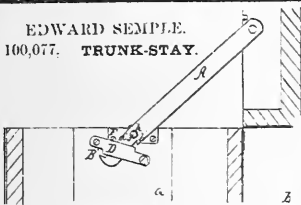
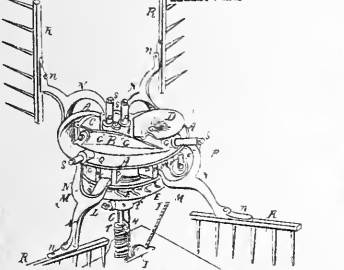
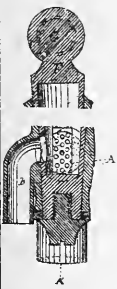
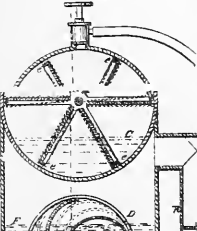
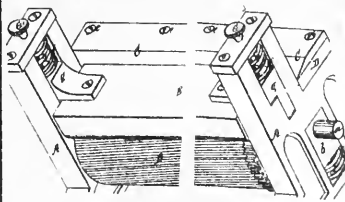
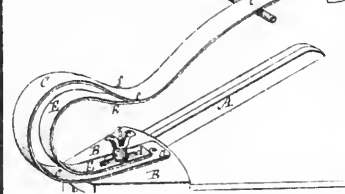
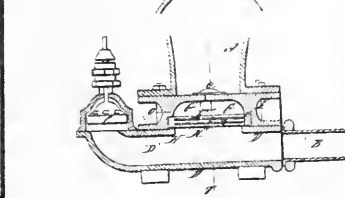
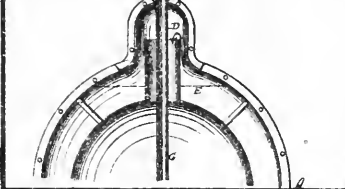
CYRUS I. BARKER.

WARPING-MACHINES.

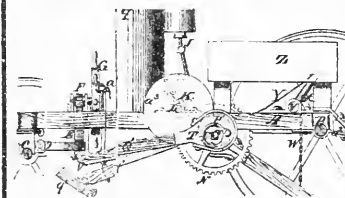
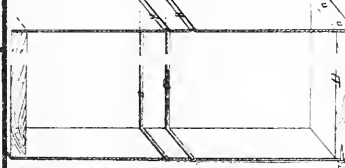
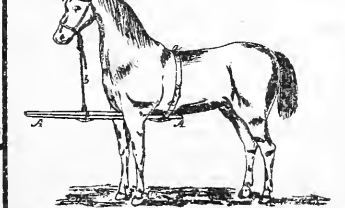
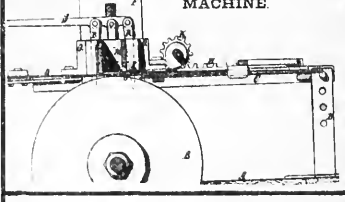
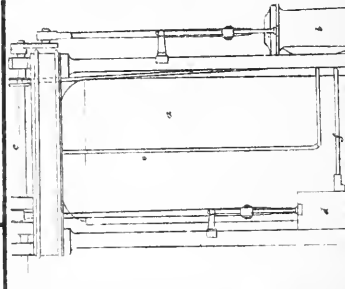
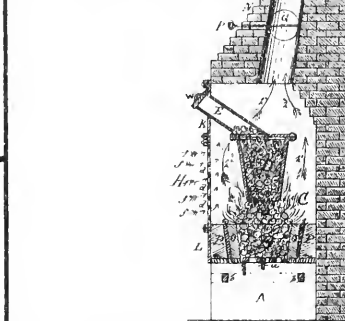
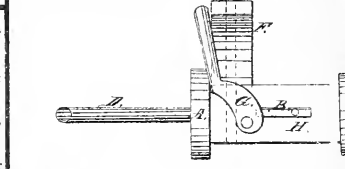
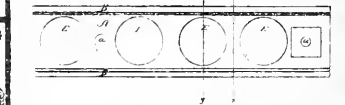
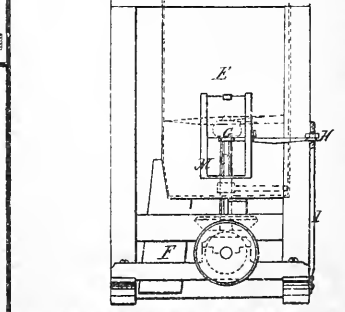
100,071, EDWIN T. RICE.  
PROCESS OF BLEACHING  
AND CLEANING VEGETABLE FIBERS.100,072, WM. RITCHIE. INSTRUMENTS  
FOR DRAWING  
GEOMETRICAL LINES.

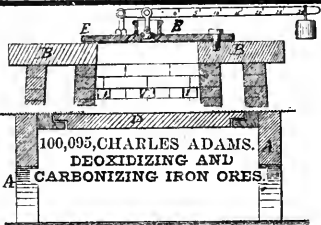
JOHN R. ROBERTSON.  
100,073, STOVE-SHELF.HORACE A. ROBISON.  
WEATHER-STRIPCHARLES W. ROCKHOLD.  
100,075, SASH-HOLDERS.

100,076, RICE FARRAR ROSS. CHURNS.

EDWARD SEMPLE.  
100,077, TRUNK-STAY.100,078, DAVID B. SHIRK.  
HARVESTER-RAKES.100,079, MONTGOMERY P. SIMONS.  
FAUCET-FILTERS.WILLIAM SNODGRASS  
100,080, PORTABLE  
GAS-GENERATOR.100,081, WM. D. ST. CLAIRE.  
COMPOUND TO BE USED  
AS AN ARTICLE OF DIET.100,082, CALEB S. STEARNS.  
LEATHER-SPLITTING MACHINE.100,083, MATHIAS STEPHAN.  
SPRING-CHAIR  
FOR CHILDREN.KIMBALL W. STETSON.  
WATER-RAMS.  
100,084.C. J. STOLBRAND. STEAM-GENERATOR  
100,085.

100,086, E. P. TALCOTT. STEAM-WAGONS.

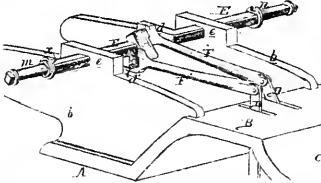
GEO. E. TUCKETT. CASE FOR CURING  
100,087, AND TRANSPORTING TOBACCO.100,088, MYRES J. VAN AKEN.  
HORSE-POKE.100,089, GEO. WALKER.  
SAW-GRINDING  
MACHINE.100,090, GEORGE WARSOPI.  
STEAM AND AIR-ENGINE.100,091, JOHN G. WHITE.  
MALT-KILNS100,092, JOHN WHITEFORD.  
CAR-COUPLING.100,093, LEWIS F. WHITING  
FRANKLIN SMITH. SAFES.100,094, BENJAMIN A. WING.  
BOLT-FEEDERS FOR MILLS.



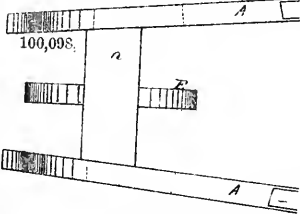
100,096, HENRY A. ALDEN.  
VULCANIZED RUBBER HOSE.



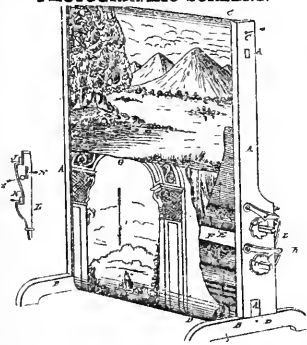
100,097, JOHN ALLGAIER.  
HAND-MOTIVE CARRIAGES.



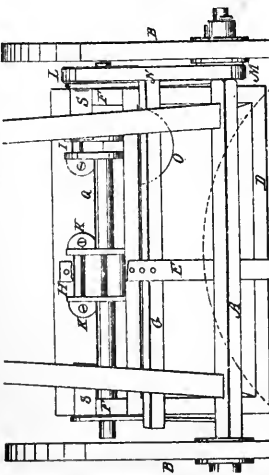
HENRY ALTER, WHEELBARROWS.



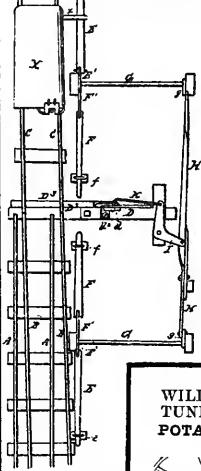
100,099, JONAS A. ANDERSON.  
PHOTOGRAPHIC SCREENS.



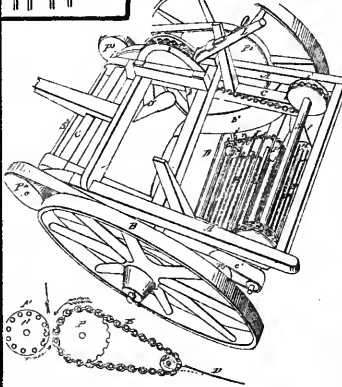
100,100, WILLIAM S. ARCHER.  
BROADCAST SEEDERS.



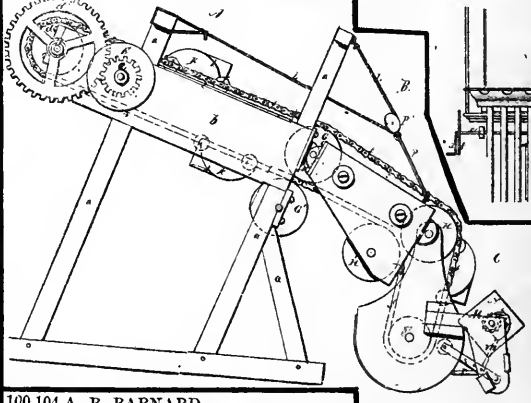
100,101, JOHN L. ARMS.  
RAILROAD-SWITCH.



100,102,  
WILLIAM J. AVERY,  
TUNIS LABERTEAUX.  
POTATO-CULTIVATOR  
AND DIGGER.



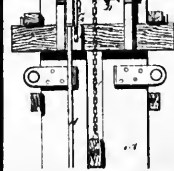
100,103, A. S. BAILEY.  
IMPROVEMENT IN COAL-ELEVATORS.



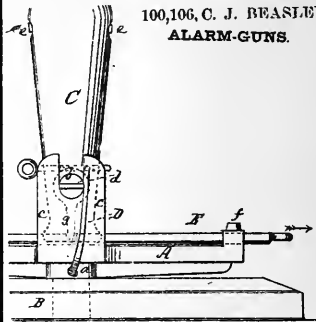
100,104, A. B. BARNARD.  
HORSE HAY-RAKES.



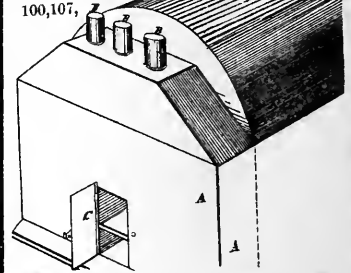
100,105,  
CHARLES J. BEASLEY.  
COTTON-PRESSES.



100,106, C. J. BEASLEY.  
ALARM-GUNS.



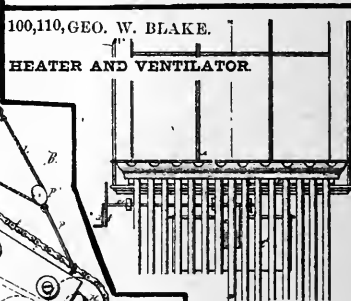
OSCAR BELLMAN,  
JOHN W. GARVER. HOT-AIR FURNACE.



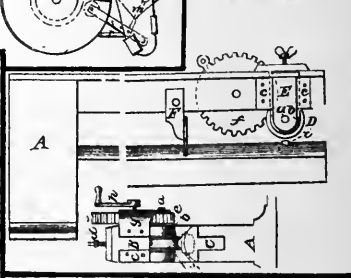
100,108,  
C. S. BENJAMIN,  
EDWARD STORY.  
PAINT-BRUSH.



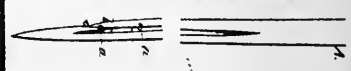
100,109, F. B. BINGHAM.  
MANUFACTURE OF PAPER.



100,111,  
C. F. BLIESENICK.  
MACHINE FOR  
GROOVING  
SHEET-METAL.

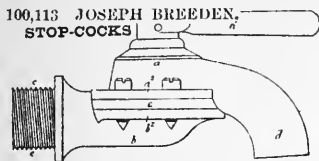


100,112, JOHN L. BOONE.  
NEEDLE FOR SEWING-MACHINE.

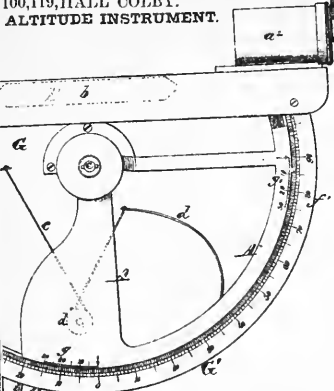




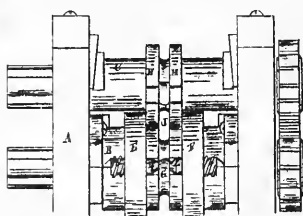
100,113. JOSEPH BREEDEN.  
STOP-COCKS.



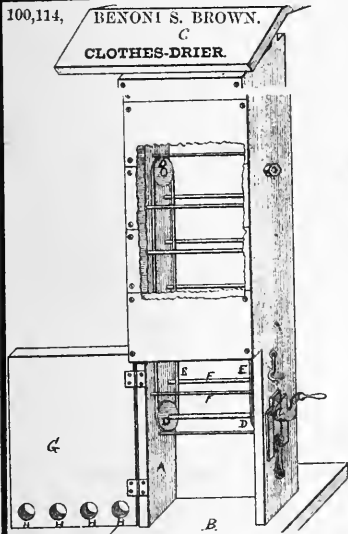
100,119, HALL COLBY.  
ALTITUDE INSTRUMENT.



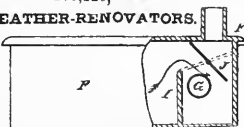
100,125, WILLIAM DAVIS.  
JOSEPH WHILE. MACHINE FOR  
ROLLING CAR-COUPLING PINS.



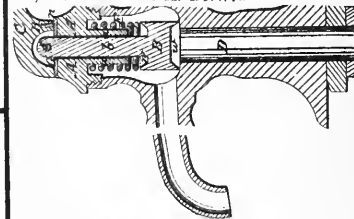
100,114, BENONI S. BROWN.  
CLOTHES-DRIER.



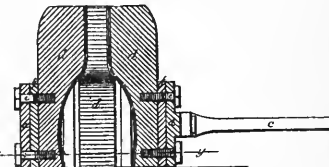
ABEL D. COOK.  
100,120, JAMES GRAVES.  
FEATHER-RENOVATORS.



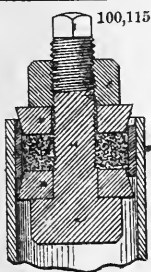
100,126, JAMES M. A. DEW. FAUCETS.



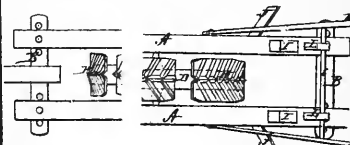
100,127, HIRAM DILLAWAY. MOLD FOR  
FORMING BLOWN GLASSWARE.



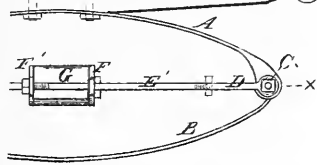
100,115, WILLIAM BROWN.  
TUBE-STOPPER.



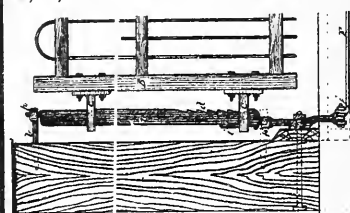
100,128, JOHN D. DUNN. COMBINED  
COTTON-CHOPPER AND CULTIVATOR.



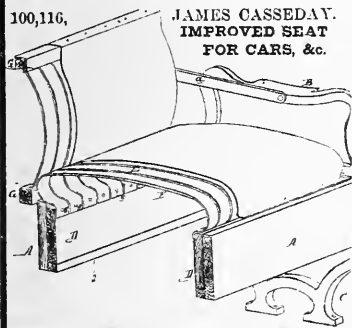
JOHN N. CRANNELL.  
100,122, WAGON-SPRING.



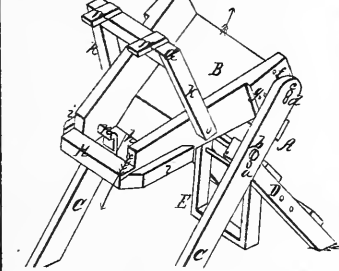
100,129, CHARLES H. EGGLESTON. GATES.



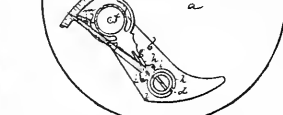
100,116, JAMES CASSEDAY.  
IMPROVED SEAT  
FOR CARS, &c.



100,123, LEONARD CROFOOT.  
BAG-HOLDER.



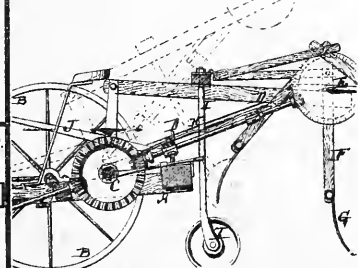
100,130, D. W. ELDRIDGE.  
WATCH-REGULATORS.



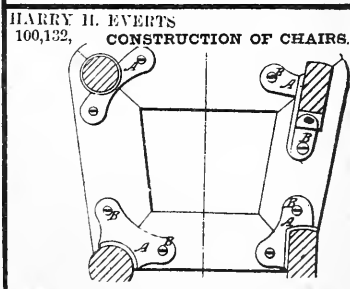
100,117, THOS. CHADWICK.  
PORTABLE FURNACES.



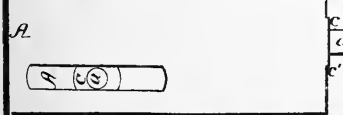
100,124, J. H. DATER.  
MOWING-MACHINE  
AND HAY-TEDDER.



100,131, JAMES B. ELKINGTON.  
MANUFACTURE OF COPPER  
AND IN SEPARATING OTHER  
METALS THEREFROM.

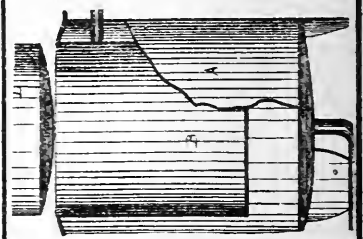
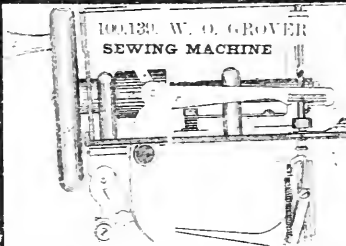
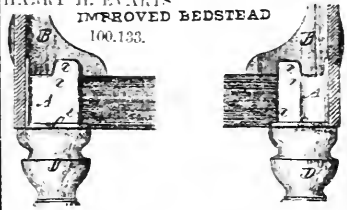


100,118, MILTON W. CLARK. BLIND-SLAT.

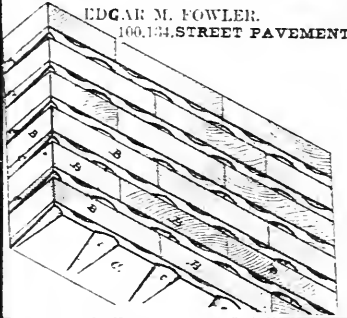




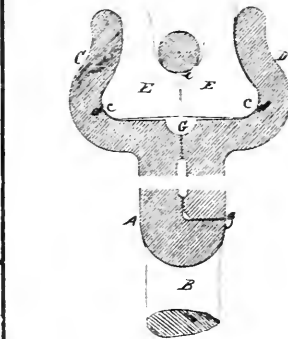
HARRY H. EVARTS  
IMPROVED BEDSTEAD  
100,133.



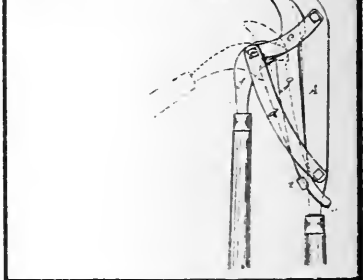
EDGAR M. FOWLER.  
100,134. STREET PAVEMENT



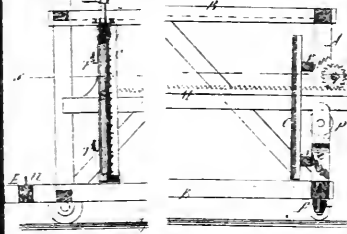
100,140.  
A. S. HALLIDIE.  
GRIP PULLEYS.



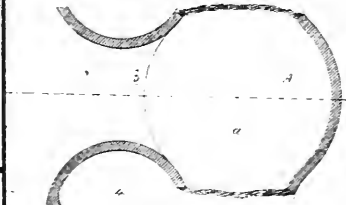
100,145. CALEB E. HEALY.  
BEDGE AND TREE-TRIMMER.



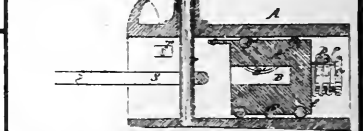
JOSEPH G. GALLIPO. MACHINE FOR  
100,155. mark. CUTTING SOAP INTO SLABS.



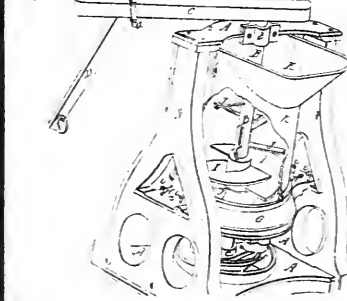
100,141. JOSEPH HARRISON, JR.  
STEAM-GENERATORS



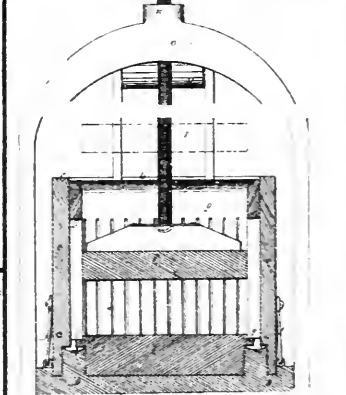
100,146. THOS. R. HERD.  
RAILWAY-CAR  
COUPLINGS.



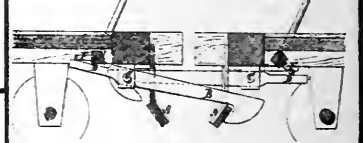
BENJAMIN M. GARD.  
EMERY R. GARD. BRICK-MACHINES.  
100,136.



100,142. C. F. HARTMANN.  
WINE-PRESSES.



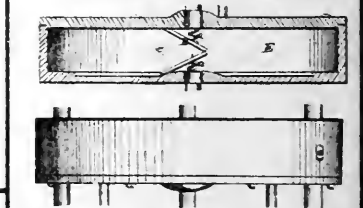
100,147  
THOMAS HESS.  
COUPLING CARS



100,148. T. N. HICKCOX.  
METALLIC ROOFING.



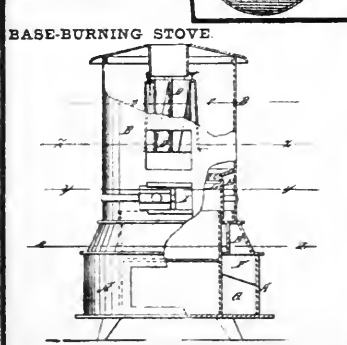
100,149. JACOB W. HILL. ROTARY STEAM  
THOMAS ROBERTS. ENGINE.



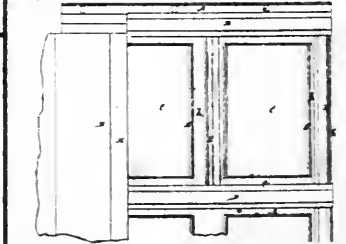
100,137. C. L. GILPATRIC.  
STRAINER  
FOR COFFEE-POTS



100,138  
J. H. GOODFELLOW.  
BASE-BURNING STOVE.



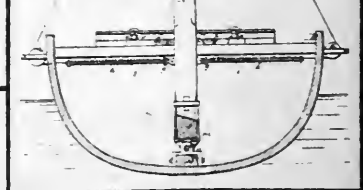
100,143. GEORGE HAYES. SKY-LIGHTS.



100,150. LOCK FOR WAGON-SEATS.  
EDGAR HITT.

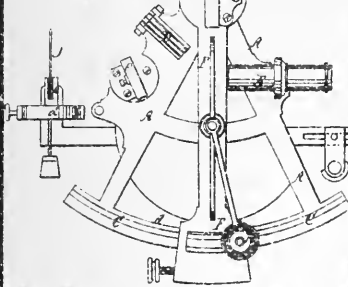


EDGAR E. HOLLY. MASTS OF VESSELS.  
100,151.

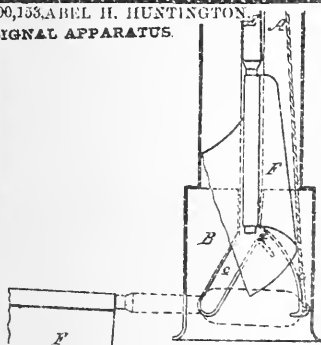


100,144. H. K. HAZLETT.  
FEED-WATER PURIFIER  
FOR STEAM-GENERATORS.

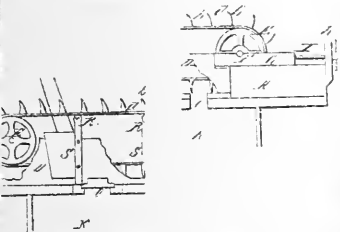
100,152, FREDERICK HOLZACH.  
QUADRANTS AND  
SEXTANTS.



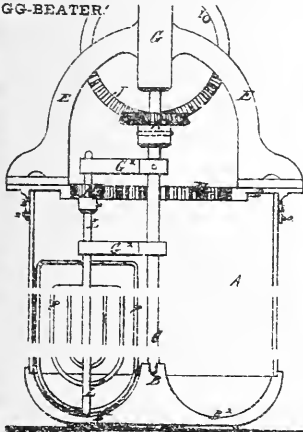
100,153, ABEL H. HUNTINGTON.  
SIGNAL APPARATUS.



100,154, OLOF JOHNSON.  
CARL O. WALL.  
GRAIN-CONVEYERS.

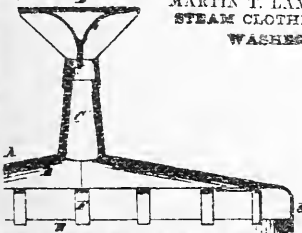


100,155, FRANK KRANDELT.  
EGG-BEATER.



100,156,

MARTIN T. LAMB.  
STEAM CLOTHES  
WASHER.



100,157,  
SALEM T. LAMB.  
PITMAN-CONNECTION.



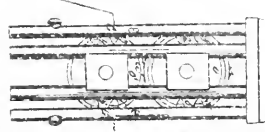
100,158,  
SALEM T. LAMB.  
PITMAN-JOINT  
FOR HARVESTERS.



PITMAN-JOINT FOR HARVESTERS  
100,159, SALEM T. LAMB.



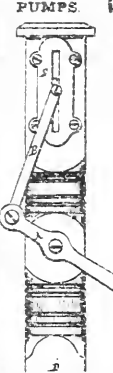
100,160, JOSEPH LE COMTE.  
SOLDERING-MACHINE.



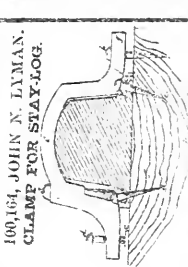
100,161, ARTHUR M. LESLIE. RUFFLING  
ATTACHMENT FOR SEWING-MACHINE.



100,162,  
G. W. LOW.  
PUMPS.

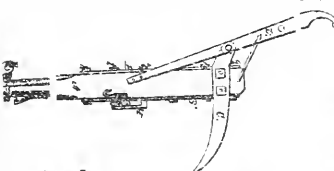


100,163, ORAZIO LIGO.  
MANUFACTURE OF  
FERTILIZERS FROM  
ANIMAL SUBSTANCES.

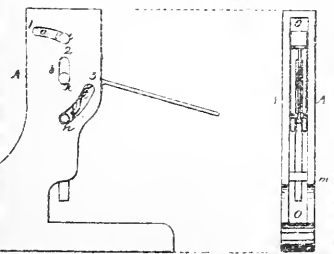


100,164, JOHN N. DYMAN.  
CLAMP FOR STAY LOG.

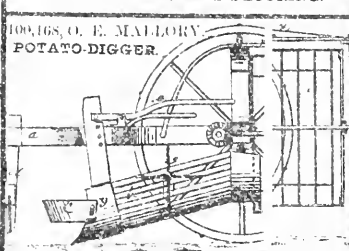
100,165, JAMES B. LYONS.  
STONE AND STUMP-EXTRACTOR.



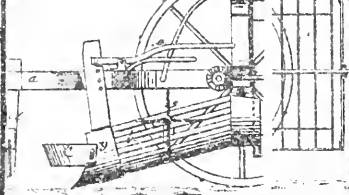
100,166, W. STINSON LORD.  
PUNCH-AND PRESS.



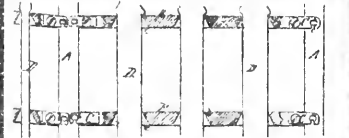
100,167, PATRICK N. MACKAY.  
ROOFING AND FLOORING.



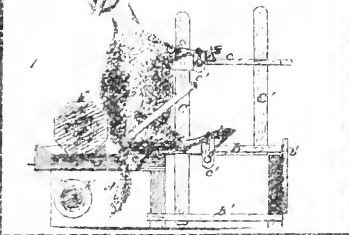
100,168, O. E. MALLORY.  
POTATO-DIGGER.



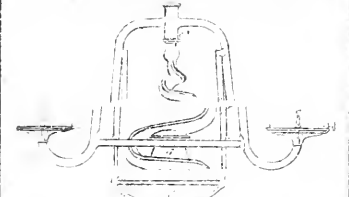
100,169, HARRIS H. MARGESON. FENCE.



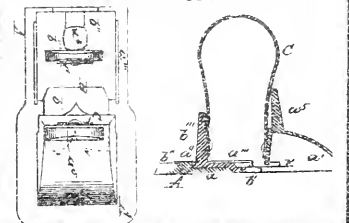
100,170, JOSEPH R. MARSHALL.  
SHEEP-SHEARING TABLE.



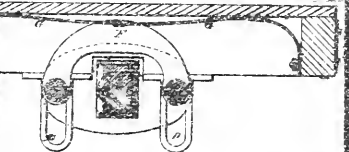
100,171, HUGH L. McAVOY. EXTENSIBLE  
GAS-TUBES FOR CHANDELIERS.



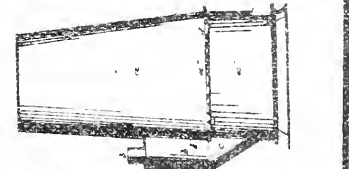
100,172, W. M. L. McDOWELL.  
SAND-CORES IN FLASKS.  
IMPLEMENT FOR UNDER-CUTTING.



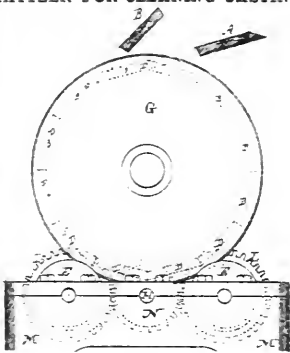
100,173, EDWD. T. MCKEAN.  
CAR-COUPLING.



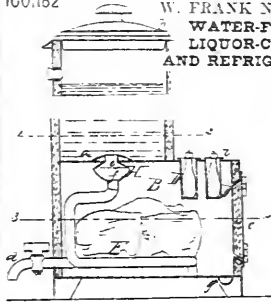
JOHN McPHERSON.  
100,174, SOLDERING-FURNACE.



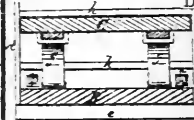
100,175, GEORGE MILLER. GRINDER OR RATTLER FOR CLEANING CASTINGS



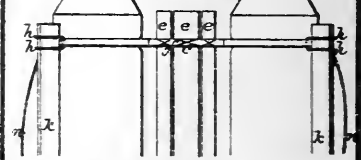
100,182, W. FRANK NICKELS. WATER-FILTER, LIQUOR-COOLER, AND REFRIGERATOR



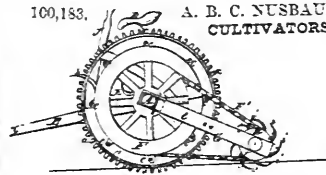
100,190, D. H. RICHARDSON. WAGON-SEATS



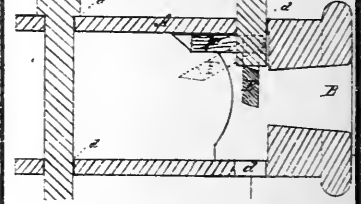
100,191, JOHN RIDER. LIFE-RAFTS



100,183, A. B. C. NUSBAUM. CULTIVATORS



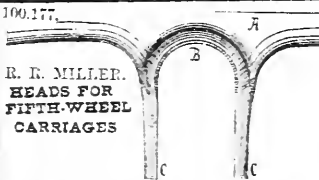
100,192, H. S. ROOT. CAR-COUPLING



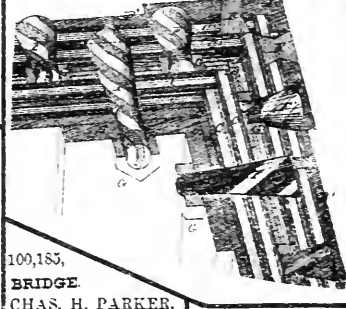
100,176, R. R. MILLER. JACKS FOR CARRIAGE-SPRINGS



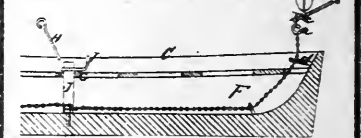
100,177, R. R. MILLER. HEADS FOR FIFTH-WHEEL CARRIAGES



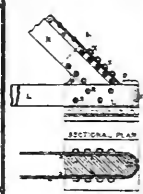
100,184, DAVID O. PAIGE. SAFES



100,193, JOHN ROSS. BOAT-DETACHING APPARATUS



100,185, BRIDGE CHAS. H. PARKER.



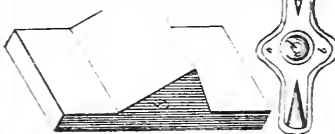
GEORGE H. PERKINS. 100,186, CAPS FOR METALLIC CANS.



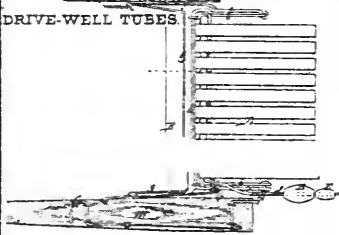
100,194, J. B. SARGENT. WARDROBE-HOOKS



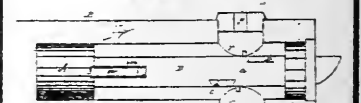
100,178, F. B. MORSE. DIE FOR FORMING THE HEADS OF KING-BOLTS



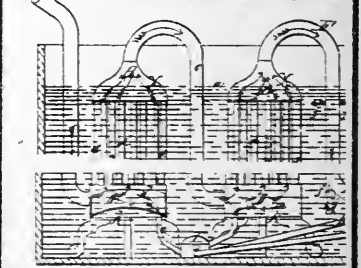
100,179, JOHN M. MOTT.



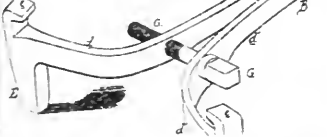
100,195, ZEBADIAH SARGENT. LOCK



100,196, GEORGE W. SHAW. SEPARATORS TO BE USED IN DISTILLING LIQUORS



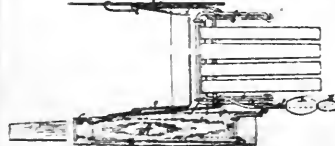
100,180, ALBERT L. MURPHY. HORSESHOES



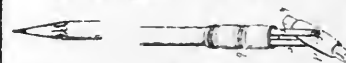
100,188, J. REYNOLDS. SUBSOIL PLOWS AND SCRAPERS COMBINED



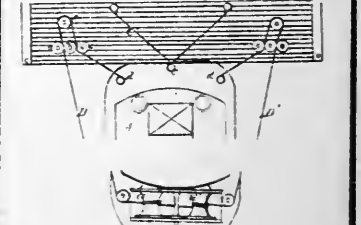
100,181, EPHRAIM MYERS. HARVESTER-DROPPERS



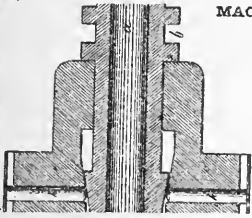
100,189, GEO. H. RICHARDS. ERASER ATTACHMENT FOR PENCILS, &amp;c.



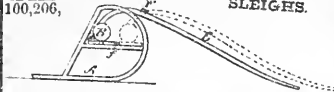
100,197, E. O. SHEPARDSON. APPARATUS FOR TOWING RAFTS, &amp;c.



100,198 DANIEL SIMMONS, JR. PAPER-BOX MACHINES.



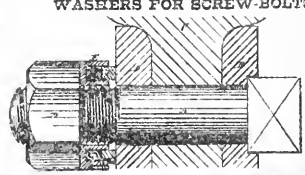
A. J. SPENCER SHIFTING-BAR FOR SLEIGHS.



100,207, HELEN E. KIN STARRETT. FASTENING FOR OVERSHOES.



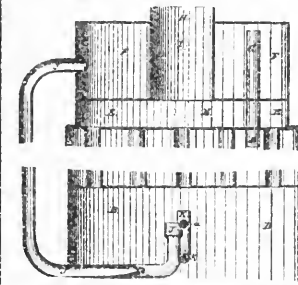
100,214, NATHAN THOMPSON. WASHERS FOR SCREW-BOLTS.



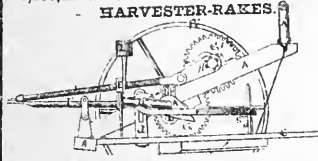
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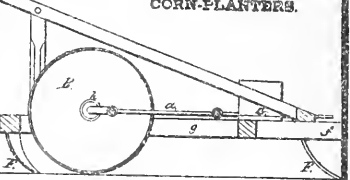
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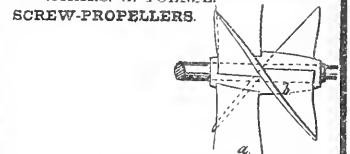
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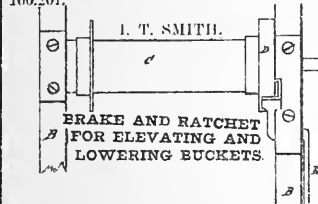
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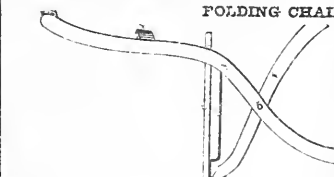
100,216, CHAS. G. TOENSE. SCREW-PROPELLERS.



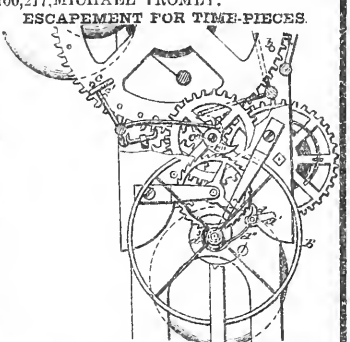
100,201. I. T. SMITH.



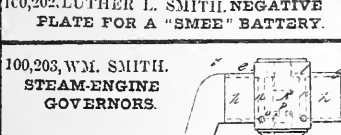
100,209, ALEXANDER W. STEWART. FOLDING CHAIR.



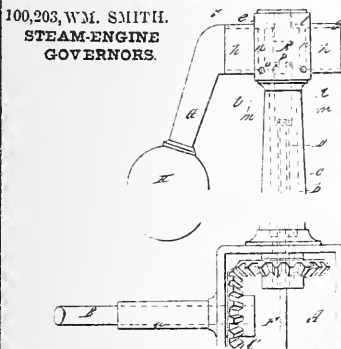
100,217, MICHAEL TROMLY. ESCAPEMENT FOR TIME-PIECES.



100,202, LUTHER L. SMITH. NEGATIVE PLATE FOR A "SMEE" BATTERY.



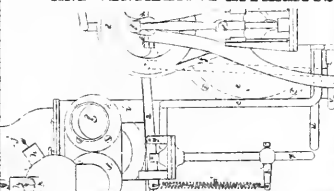
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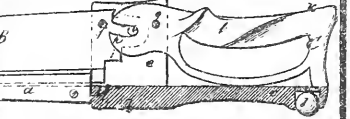
100,210, ANDREW H. SMITH. FREDK. A. STOHLMANN. MECHANICAL LEECHES.



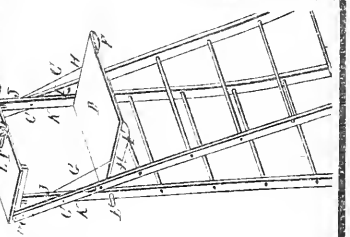
100,211, B. F. STURTEVANT. HEATING AND VENTILATING APPARATUS.



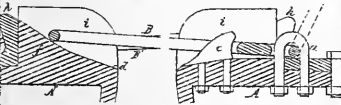
100,218, FRIEDRICH ULRICH. SHEARS.



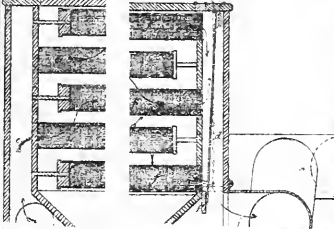
100,219, JAMES H. VERITY. FRUIT-LADDER.



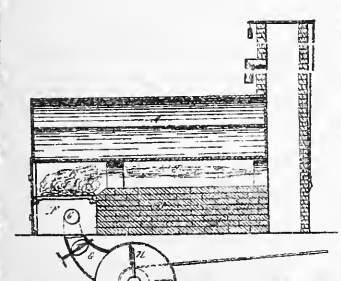
100,204, ELIAS F. SNEIDER. RAILWAY-CAR COUPLING.



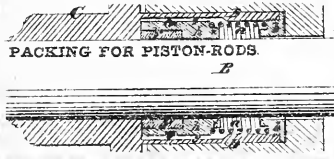
100,212, B. F. STURTEVANT. GRAIN-DRIER.



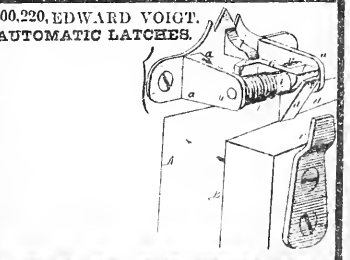
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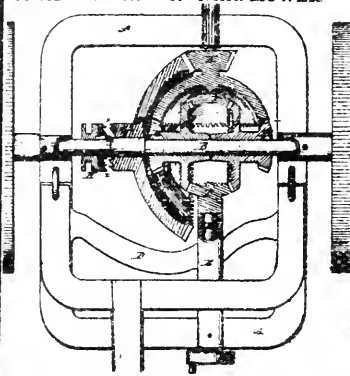
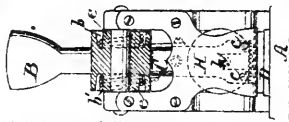
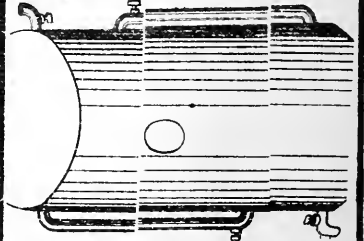
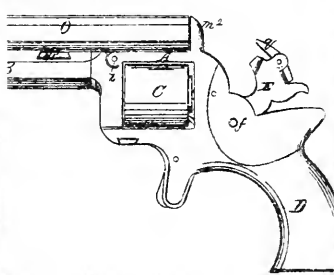
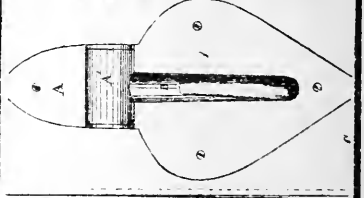
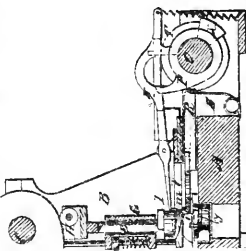
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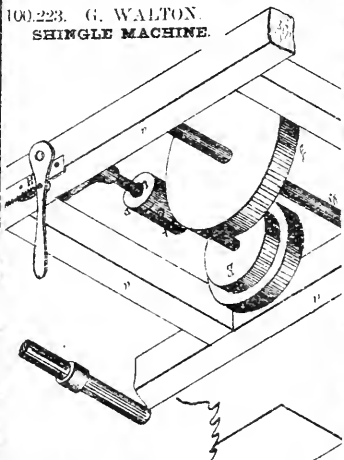
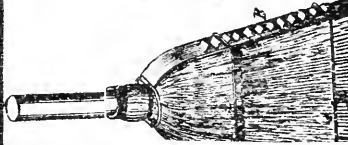
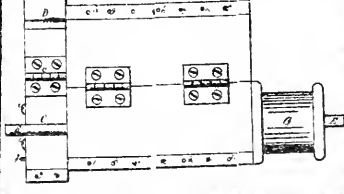
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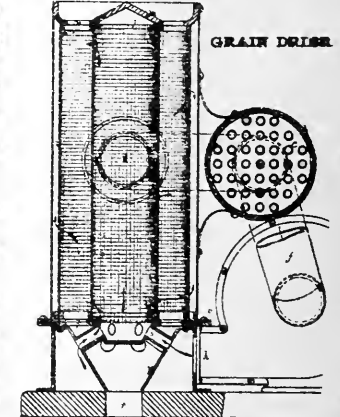
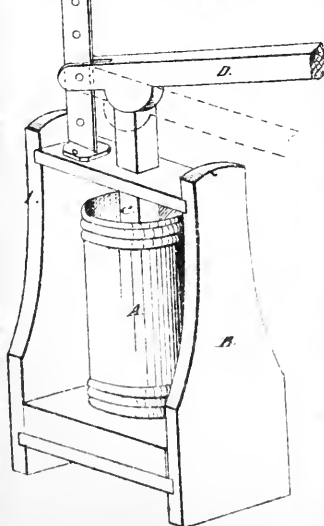
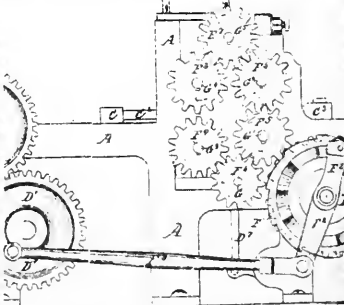
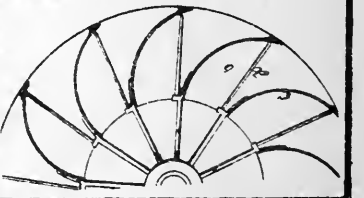
100,221. A. H. WAGNER. MOWER.

100,225. W. A. WHEELER.  
CANCELING STAMP.100,226. A. WHITE.  
HOOK FOR HARNESS.100,232. WOOLSTON & CORFIELD.  
REVERSIBLE PERCOLATOR.100,227. R. WHITE.  
REVOLVER.100,233. G. & A. BERND.  
HARNESS HOOK.100,222. J. T. WALKER.  
HORSESHOE MACHINE.

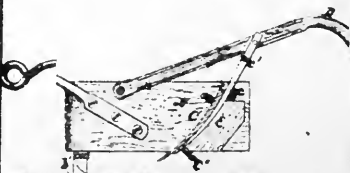
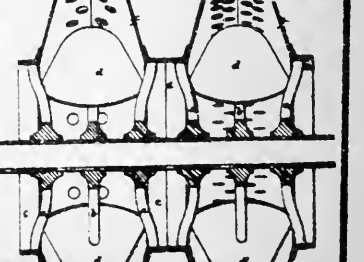
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100,223. G. WALTON.  
SHINGLE MACHINE.100,228. F. O. WILLEY.  
BROOM BRACE.100,229. H. L. WILLIS.  
SAND PAPER HOLDER FOR FINISHING  
THE SOLES OF BOOTS AND  
SHOES.

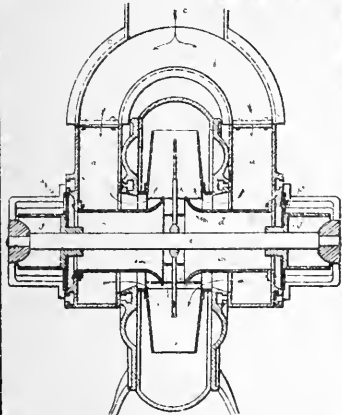
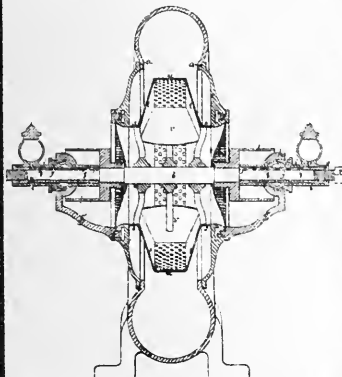
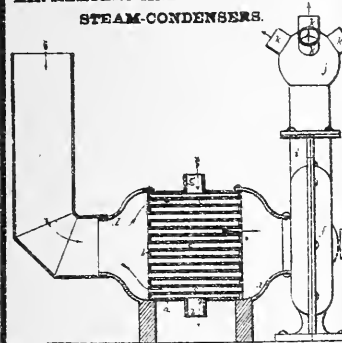
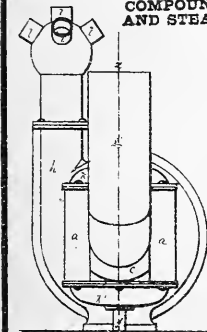
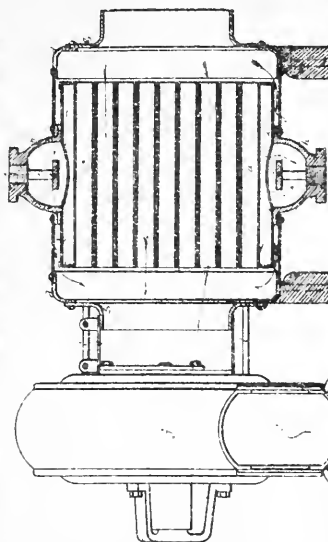
100,235. B. F. STURTEVANT.

100,224. WARNER & THOMAS.  
CHURN.100,230. T. WOOD.  
MACHINE FOR MAKING NAILS AND  
SPIKES.100,236. B. F. STURTEVANT.  
PRESSURE BLOWER WHEEL.

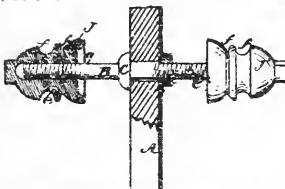
100,231. C. F. WOODRUFF. DITCHER.

100,237. B. F. STURTEVANT.  
FAN BLOWER.

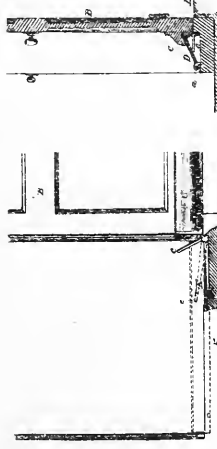
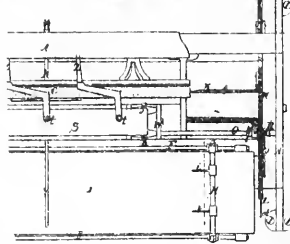
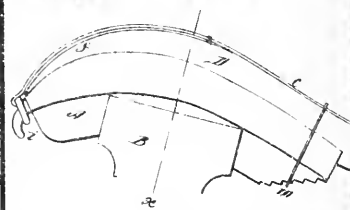


100,238, B. F. STURTEVANT.  
HOT-AIR BLOWERS.100,239, B. F. STURTEVANT.  
PRESSURE-BLOWERS.100,240, B. F. STURTEVANT. COMPOUND  
AIR-HEATERS AND  
STEAM-CONDENSERS.100,241, B. F. STURTEVANT.  
COMPOUND AIR-HEATERS  
AND STEAM-CONDENSERS.100,242, B. F. STURTEVANT.  
COMPOUND AIR-HEATERS  
AND STEAM-CONDENSERS.100,243, B. F. STURTEVANT.  
UNITING TUBES TO TUBE-SHEETS.

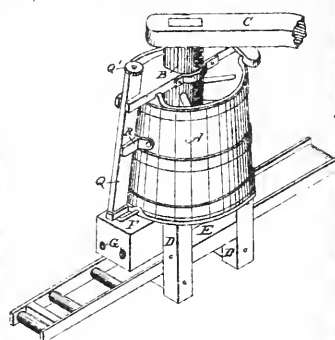
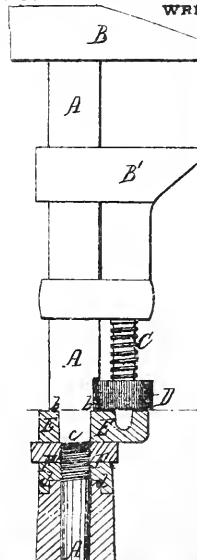
3,847, LOUIS A. CAUVET. INSULATORS.



3,848, F. C. GRIDLEY. WEATHER-STRIP.

JOHN HOPE. 3,849.  
THOMAS HOPE.  
HEBER LE FAYOUR  
MACHINE FOR ENGRAVING  
CALICO-PRINTERS' ROLLERS3,850, WM. P. LETCHWORTH.  
MACHINE FOR BENDING WOOD

3,851, F. M. MATTICE. TILE-MACHINES.

3,852, THE COLLINS COMPANY.  
WRENCHES

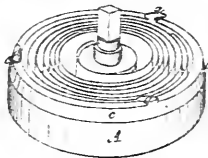
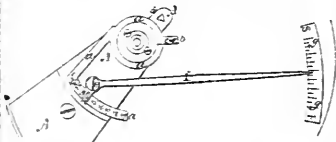
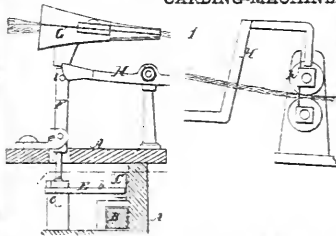
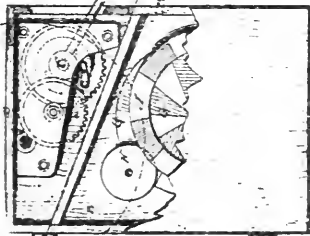
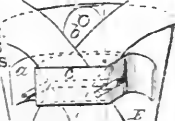
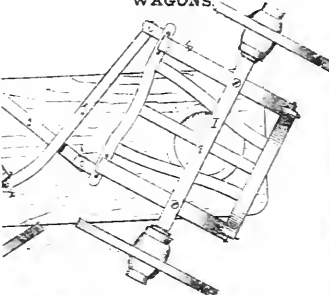


## ILLUSTRATIONS OF PATENTS

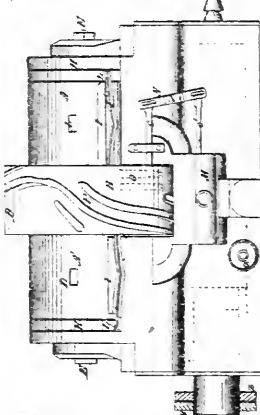
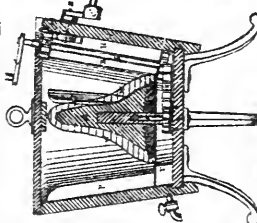
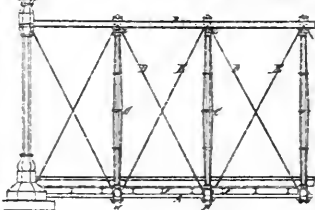
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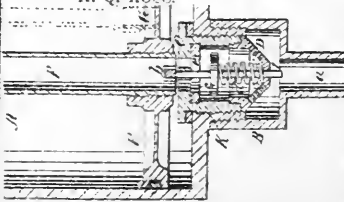
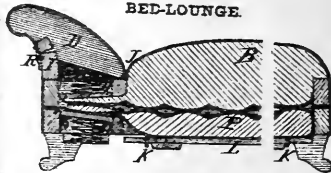
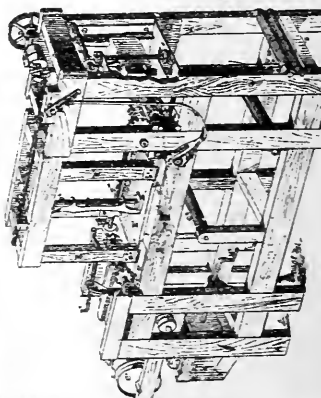
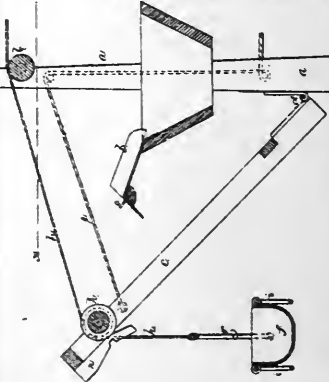
MARCH 1, 1870.

100,244. ALBERT F. ALLEN.  
SUCTION-ROSE.100,245. JOHN P. ALLEN.  
MAIN-SPRING BARRELS FOR WATCHES.100,246. JOHN P. ALLEN.  
WILLIAM E. BANTA.  
WATCH-REGULATORS.100,247. C. W. ANDERSON.  
STOP-MECHANISM FOR  
CARDING-MACHINE.100,248. SMITH W. ANDERSON.  
CHAMELEOTROPE.100,249. JOHN ASHWORTH.  
STEAM TRAP.100,250.  
JOHN BACHOLDER.  
FASTENINGS  
FOR NECK-TIES.100,251. J. H. BARR.  
WAGONS.

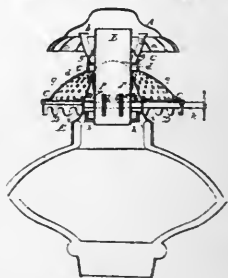
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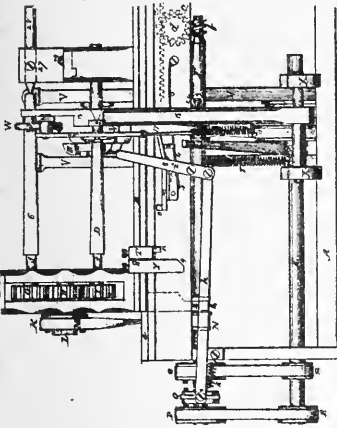
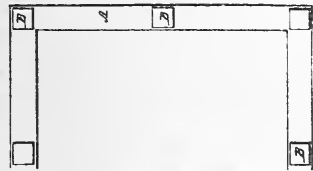
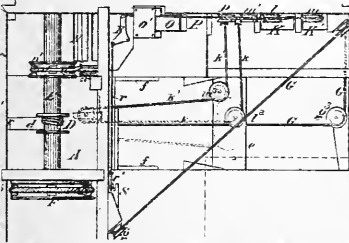
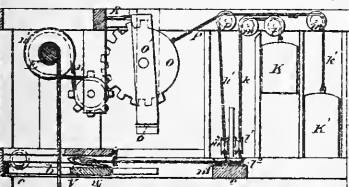
100,253. WM. A. BROWN.  
WASHING-MACHINE.100,254. HENRY C. BRUNDAGE.  
IRON BRIDGES.

100,255. S. G. CABELL. HYDRANTS.

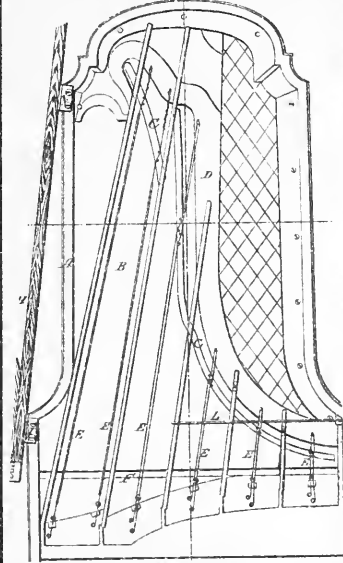
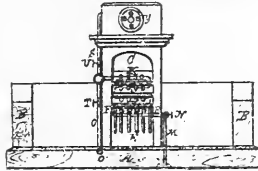
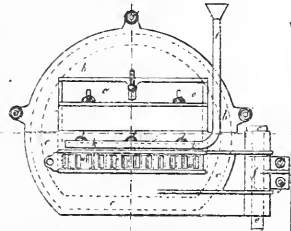
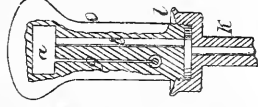
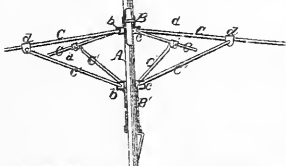
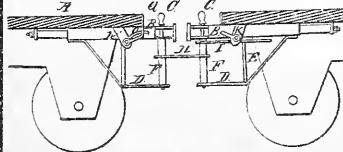
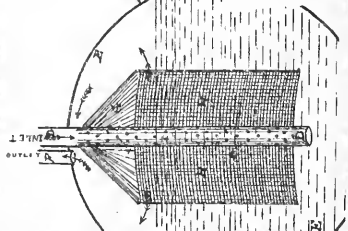
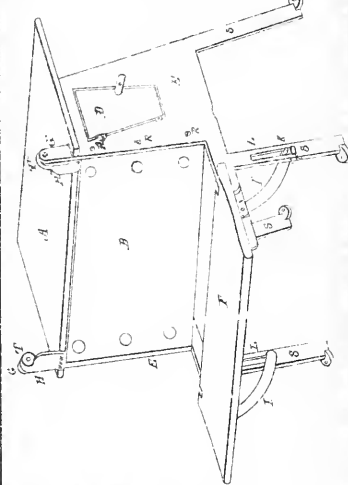
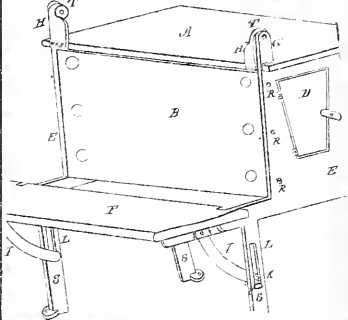
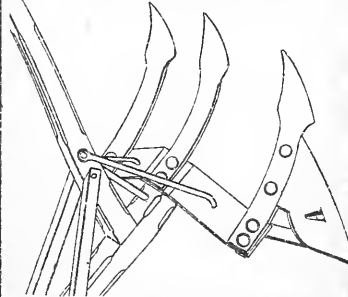
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100,260. M. H. COLLINS. LAMP-BURNERS.

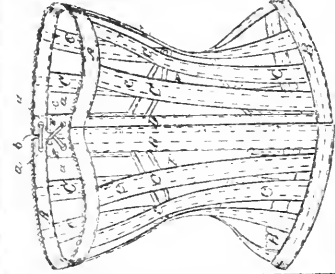


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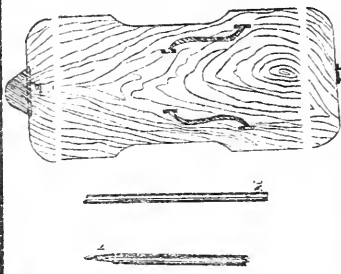
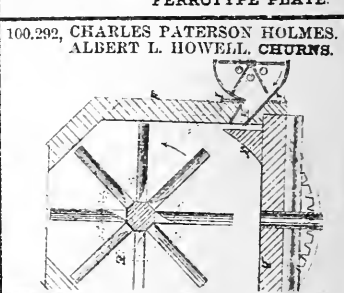
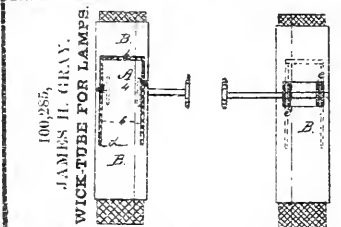
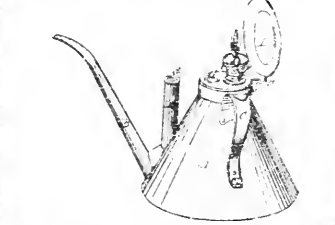
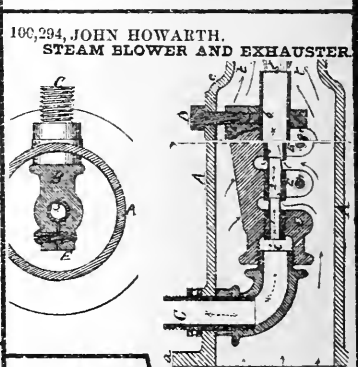
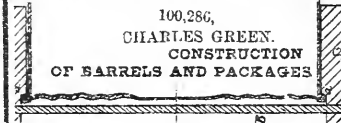
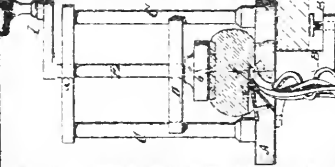
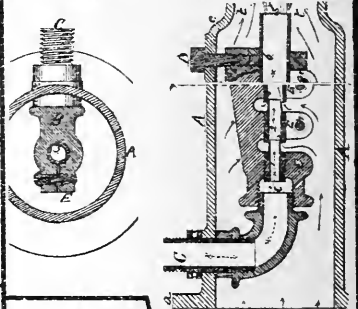
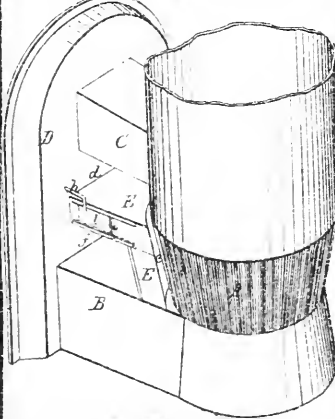
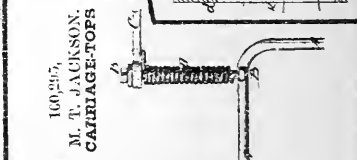
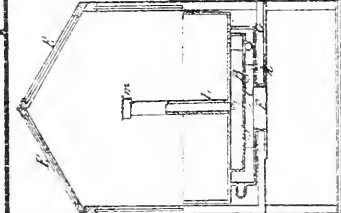
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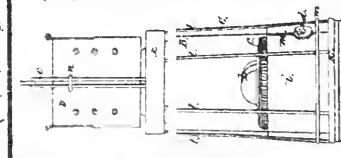
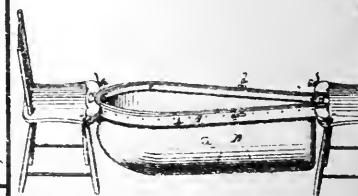
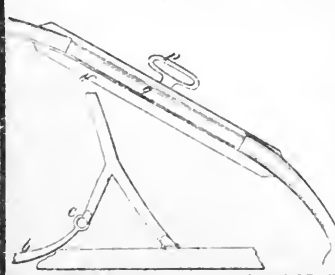
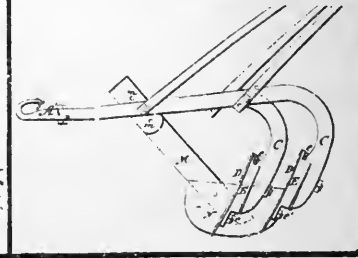
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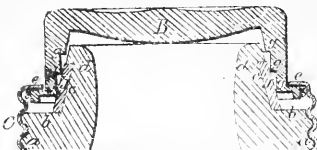
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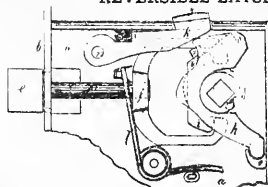
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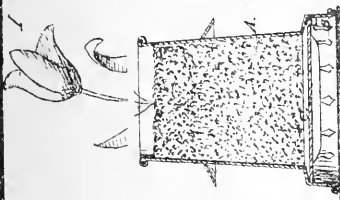
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100,313, W. T. MUNGER. REVERSIBLE LATCHES.

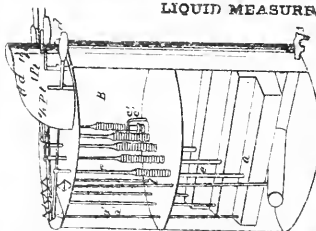


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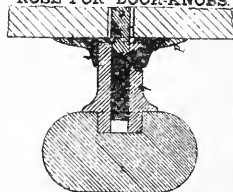


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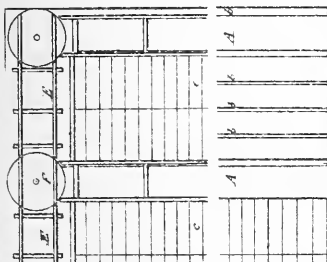
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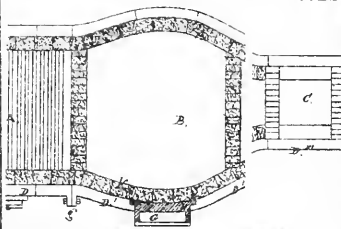
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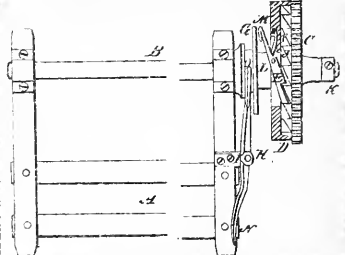
100,301, JAMES B. LYONS. FLOORS FOR DRYING PEAT.



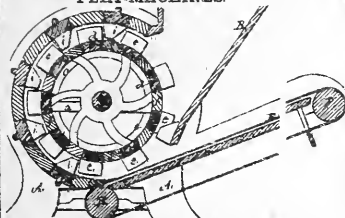
100,308, SAMUEL McLAUGHLIN. FUDDLING-FURNACES.



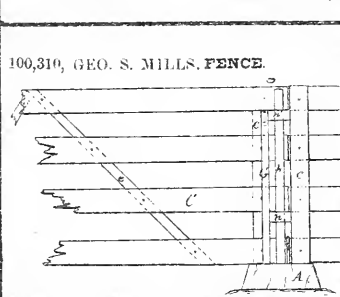
100,315, M. D. MYERS. RATCHET AND PAWL MECHANISM.



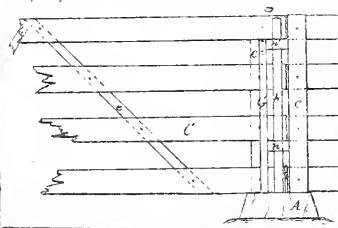
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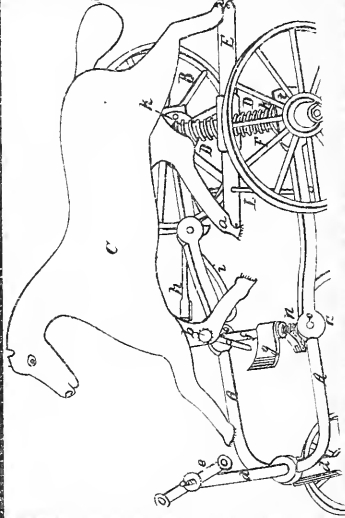
100,309, E. McMILLIN. PURIFICATION OF COAL GAS.



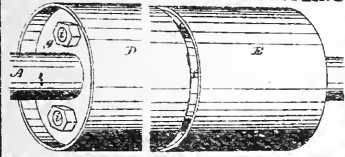
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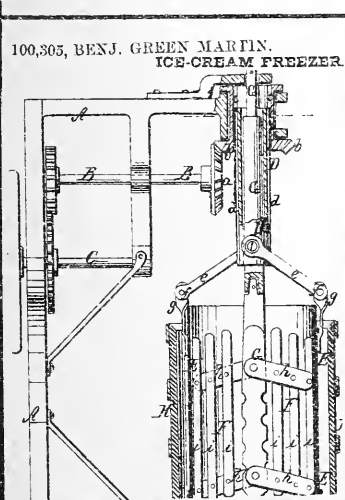
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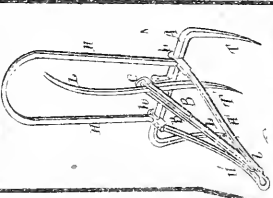
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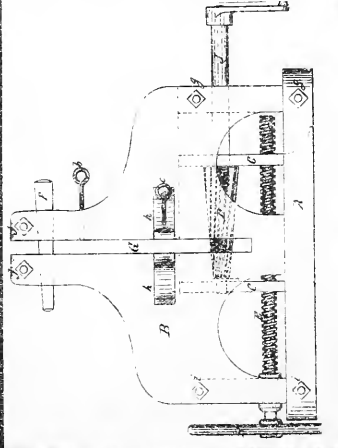
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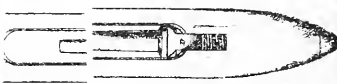
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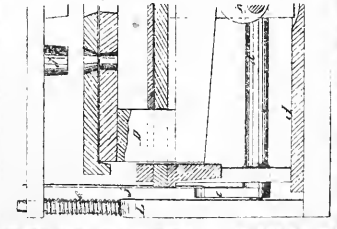
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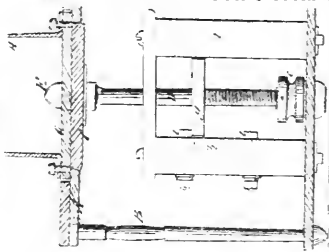


100,317, ELIAS A. PAINE. SHUTTLE FOR LOOMS.

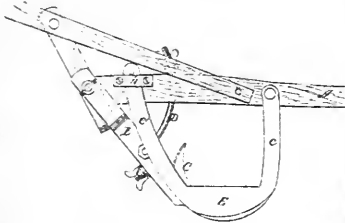


100,318, S. J. PEET. APPARATUS FOR MAKING SOLID CORES.

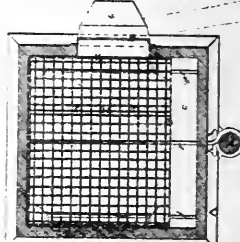
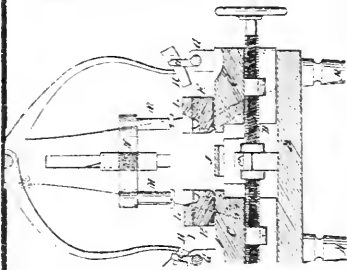


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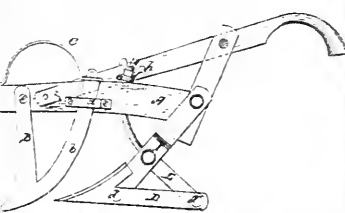
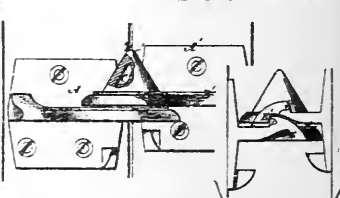
100,325, MARK RIGELL, PLOWS.



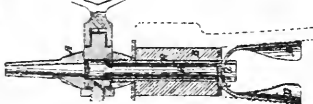
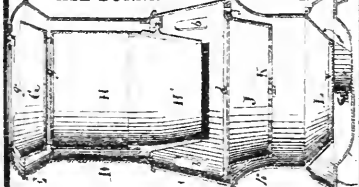
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100,320, S. J. PEET.  
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100,326, MARK RIGELL, PLOWS.

100,332, ALBERT P. SEYMOUR.  
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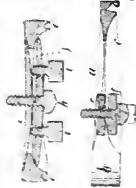
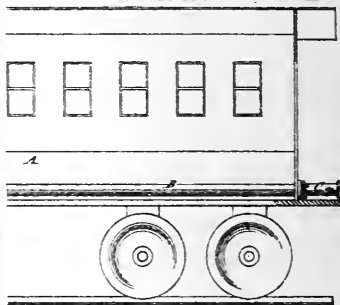
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100,322, J. S. PERRY AND A. DICKEN.  
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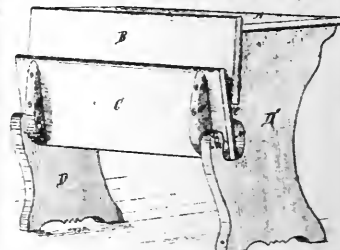
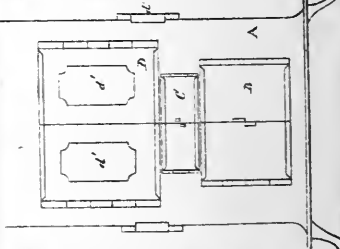
100,327,

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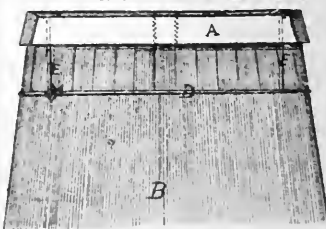
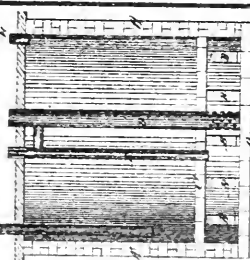
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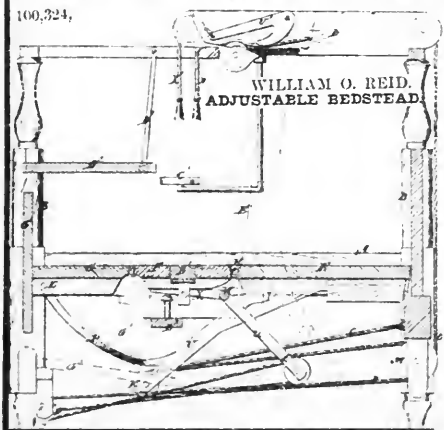
100,334, JAMES SMITH, SCHOOL-DESK.

100,335, J. SPEAR.  
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100,336, W. C. SPELLMAN, BROOM.

100,323,  
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100,324,

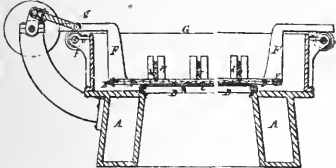
WILLIAM O. REID.  
ADJUSTABLE BEDSTEAD.

100,330,

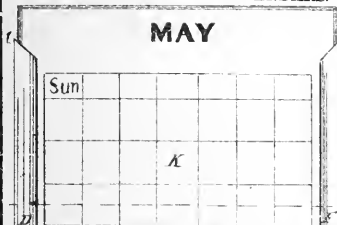
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100,337, CHARLES STETTERFELDT.  
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100,338, JOSHUA F. TANNATT.  
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100,339, JAMES K. THOMPSON.  
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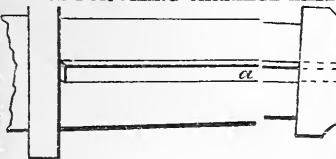
100,340, E. PALMER TIFFANY. PENS



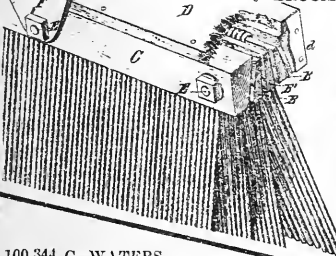
100,341, JAMES TURNBULL.  
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100,342, JAMES VANDERPOOL.  
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100,343, THOMAS WALTER.  
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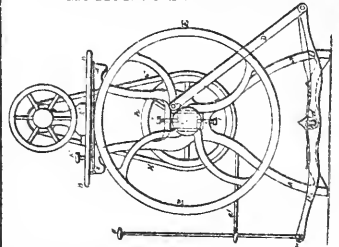
100,344, G. WATERS.  
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100,345, WILLIAM WELLINGTON.  
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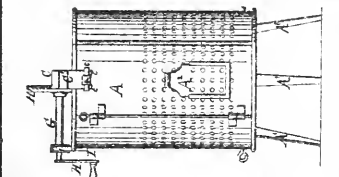


100,346, WILLIAM WELLINGTON.  
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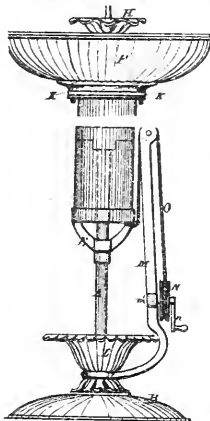


100,347, FR. WICKE.  
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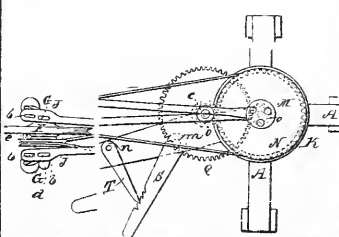
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MACHINE FOR PARING FRUIT



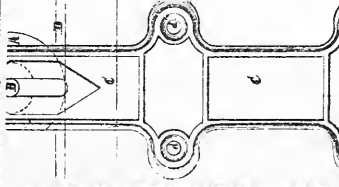
100,349, WILLIAM ALSTOK, PARLOR  
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100,350, JOHN E. ATWOOD.  
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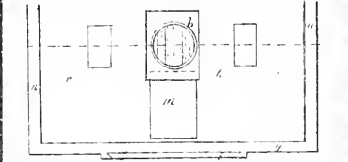


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WILLIAM R. AXE.

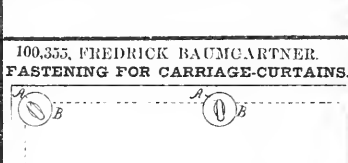


100,352, HENRY BARTHOLOMAW.  
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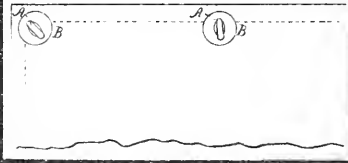
100,353, EAYRE O. BARTLETT.  
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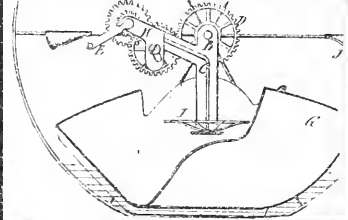
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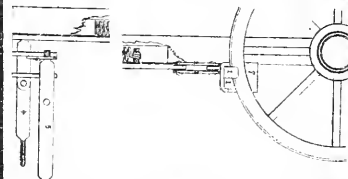
100,355, FREDRICK BAUMGARTNER.  
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100,356, JOSEPH BECK, VELOCIPEDES.

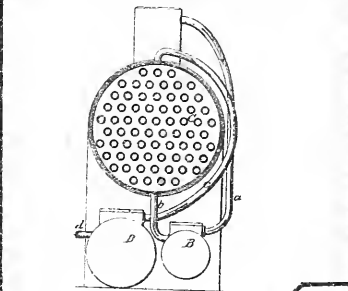


100,357, JOSEPH G. BICKNELL.  
BRAKES FOR CARRIAGES AND WAGONS

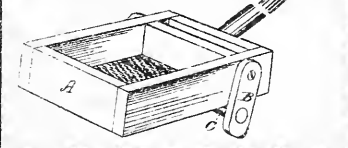


100,358, GEORGE <sup>his</sup> BIRKS.  
COMPOUND FOR PREVENTING  
INCORUSTATION IN STEAM-BOILERS.

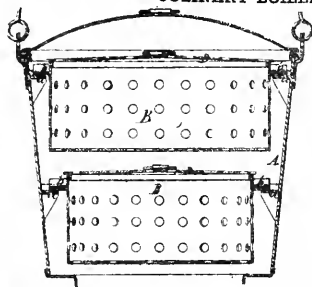
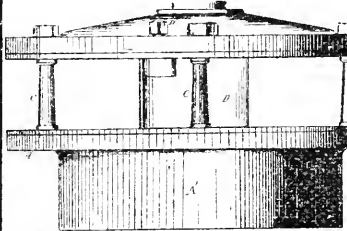
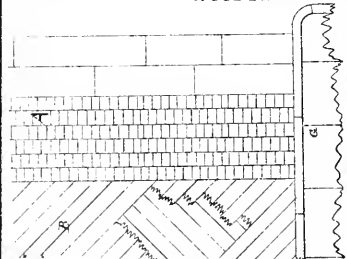
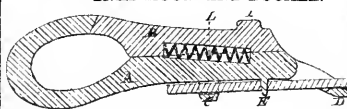
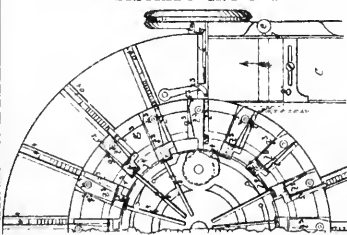
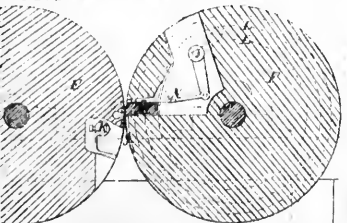
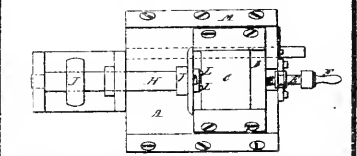
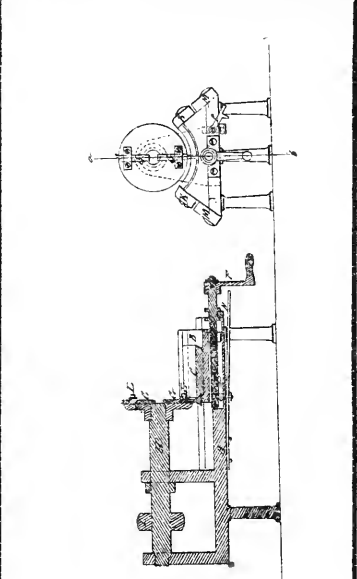
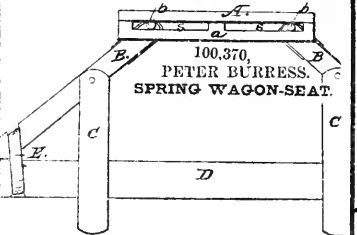
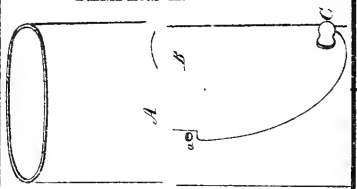
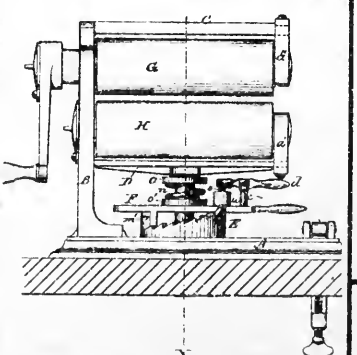
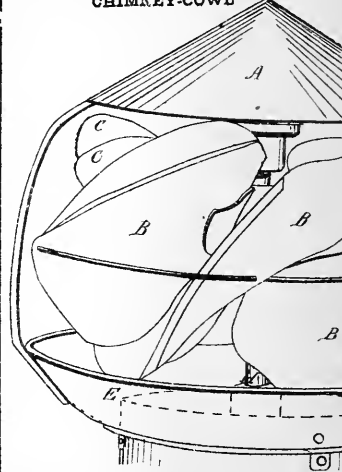
100,359, F. B. BLANCHARD, COMBINED  
ENGINE-BOILER AND SUPER-HEATER.



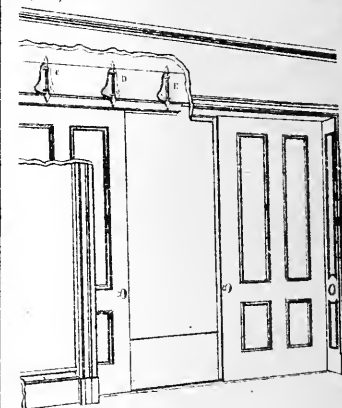
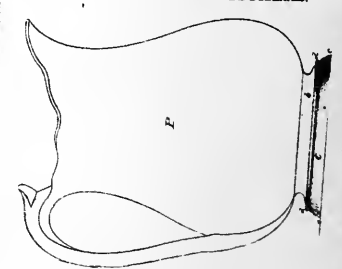
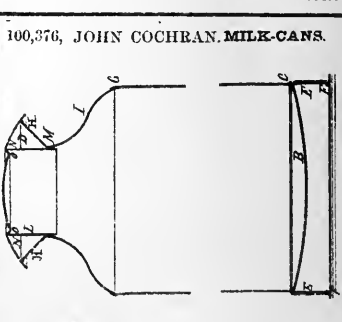
100,360, SANFORD O. BLANDING.  
SIFTING-APPARATUS.





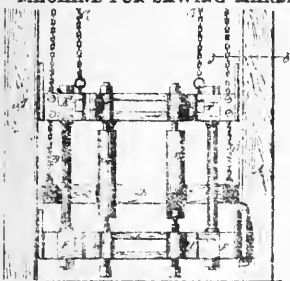
100,361, GEORGE W. BLISS.  
CULINARY BOILER.100,362, JOHN W. BOOKWALTER.  
WATER-WHEEL CASES.100,363, I. H. BOOLF.  
WOOD PAVEMENT100,364, JOHN C. BRADY.  
JAMES H. BRADY.  
SNAP-HOOK AND BUCKLE.100,365, THOMAS BRISTOW.  
MANUFACTURE OF Madder DYES100,366, ORREN LEE BROWN.  
TYPE-DISTRIBUTING MACHINES100,367, RICH'D. VOSE.  
ROTARY PAPER-CUTTING MACHINES.100,368, RICH'D. VOSE.  
MACHINE FOR PLANING AND  
SQUARING THE ENDS OF SEGMENTAL  
STEREOTYPE PLATES.100,369, A. R. BURDICK, STOVE-PIPE  
DAMPERS AND VENTILATORS.100,370, PETER BURRESS.  
SPRING WAGON-SEAT.100,371, S. G. CABELL.  
FLUTING-MACHINES.100,372, ELISHA P. H. CAPRON.  
CHIMNEY-COWL

100,373, JACOB CAPRON, SLIDING DOORS.

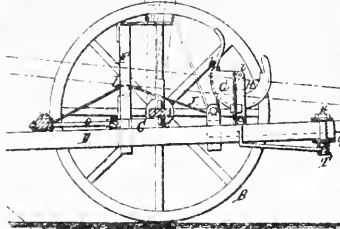
100,374, F. B. CARLETON, SHIELD FOR  
PITCHERS.100,375, LEWSON E. CHASE.  
CONFECTIONERY

100,377, JOHN COCHRANE, CARPET.

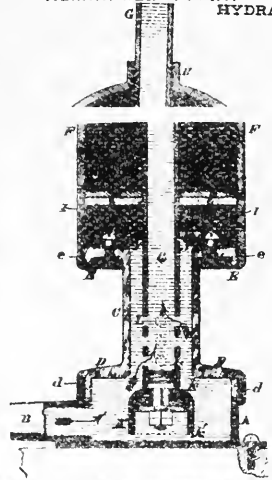
100,378, R. S. CRAIG.  
A. H. WOODWARD.  
MACHINE FOR SAWING MARBLE



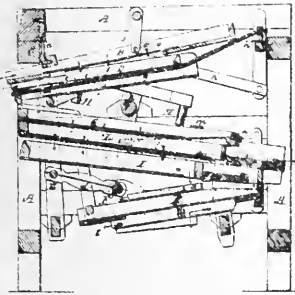
100,383, GEORGE R. DUVAL.  
GANG-PLOWS



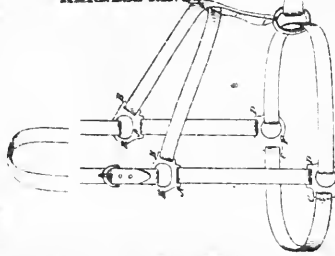
100,389, ALEXANDER S. FORT.  
HYDRANTS.



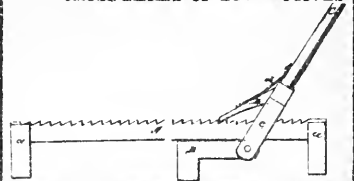
100,379, EVAN DAVIS.  
GRAIN-SEPARATORS.



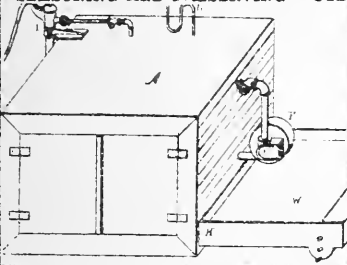
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KARNESS-RINGS



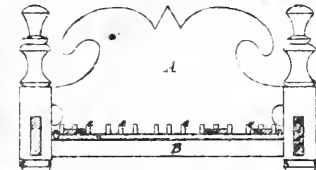
100,360, JOHN S. FUNK.  
JACKS FOR MOVING THE  
CROSS-HEADS OF LOCOMOTIVES



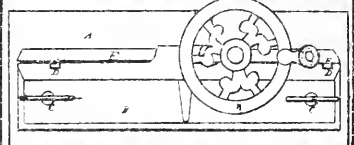
100,380, J. C. DAY.  
SEASONING AND PRESERVING WOOD



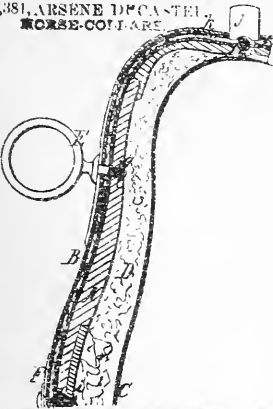
100,385, B. F. ELLIS.  
SPRING-BED BOTTOM.



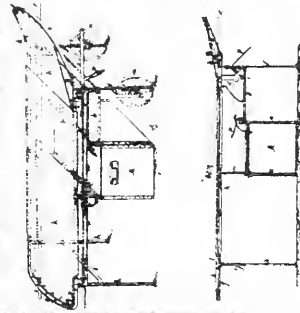
100,381, H. A. GAGE.  
PAPER-CUTTING MACHINES.



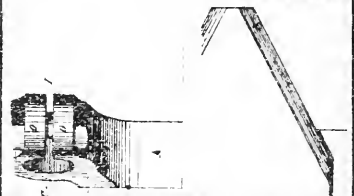
100,381, ARSENE DUCASTEL.  
HORSE-COLLARS



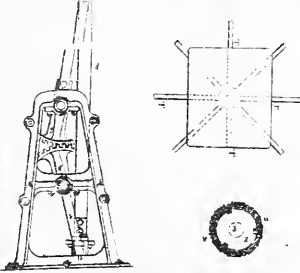
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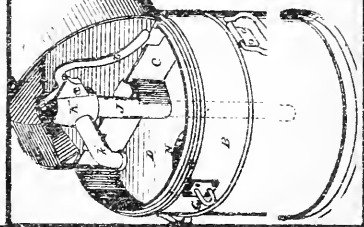
100,302, CHARLES O. GARDINER.  
SICKLE-BARS



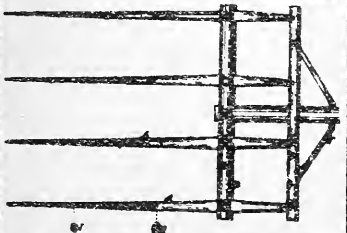
100,387, EDWARD FITZHENRY.  
DRESSING LEATHER



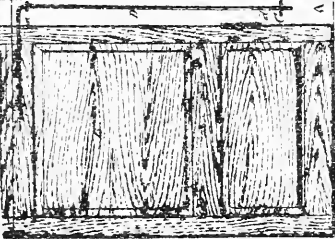
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OIL-CANS.



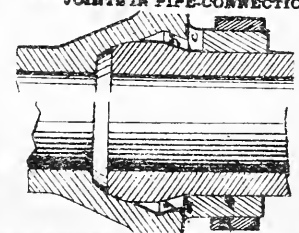
100,382, FREDRICK DUNN.  
BARLEY-FORKS

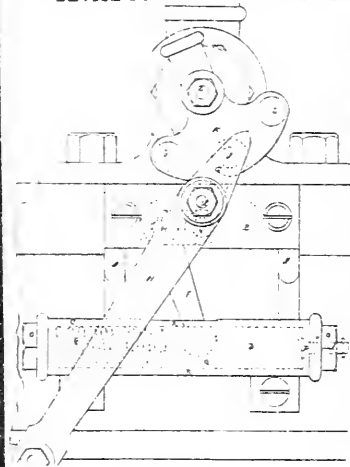
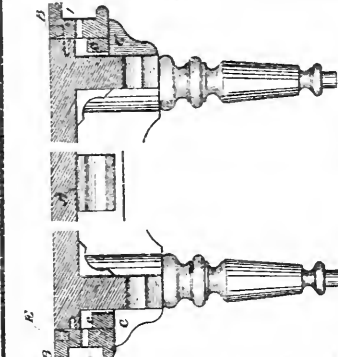
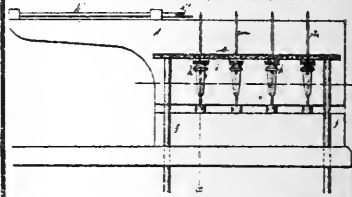
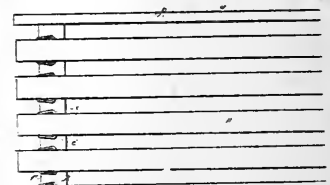
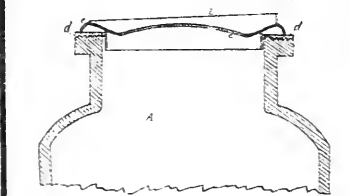
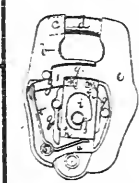
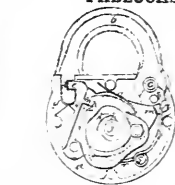
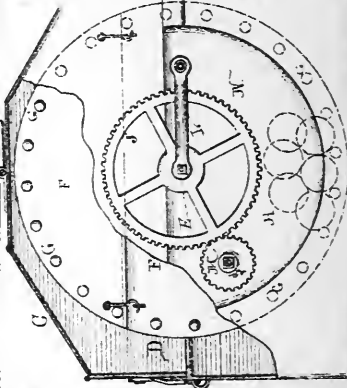
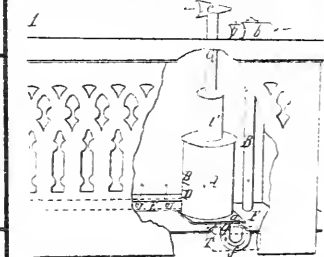


100,388, B. G. FITZHUGH.  
DOOR-SPRINGS

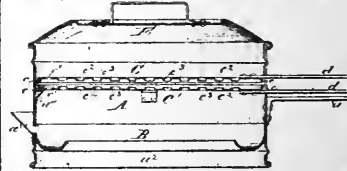
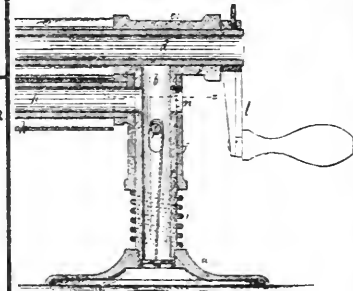
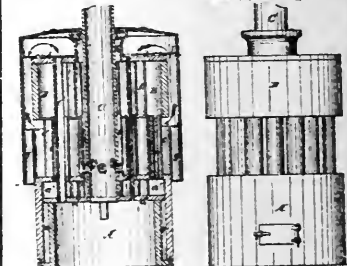
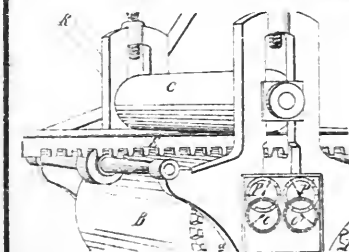
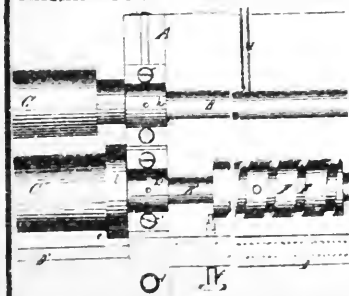


100,394, EDWARD GWYN.  
CLAMPED MOLDS FOR MAKING LEAD  
JOINTS IN PIPE-CONNECTIONS

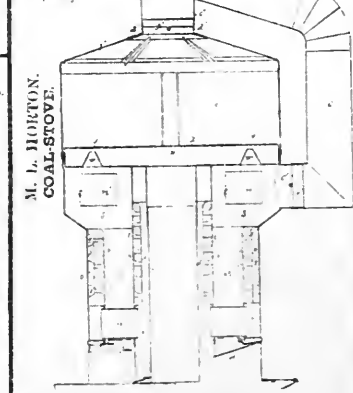


100,395, CHARLES F. HADLEY.  
DEVICE FOR REVERSING MOTION100,401, FRED. E. HELD, COMBINATION  
OF BILLIARD AND DINING-TABLES100,407, F. W. HOWE.  
MACHINES FOR SEWING BOOKS100,408, TYLER HOWE.  
SPRING-BED BOTTOM100,396, JOEL HAINES.  
FRUIT-JARS100,402, LOUIS HILLEBRAND.  
PADLOCKS100,403,  
LOUIS HILLEBRAND.  
PADLOCKS.100,409, THOMAS G. HUGHES.  
WASH-BOILER100,397, THOMAS F. HAMILTON.  
SPIDER, SKILLET, AND GRIDIRON100,404, M. T. HITCHCOCK.  
STOVE FOR RAILROAD CARS

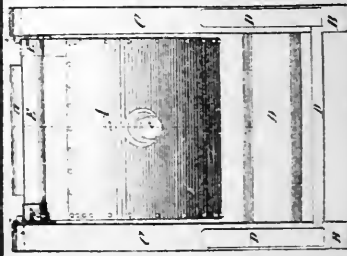
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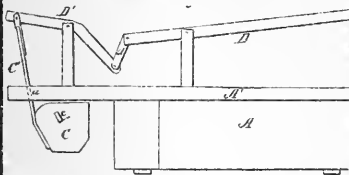
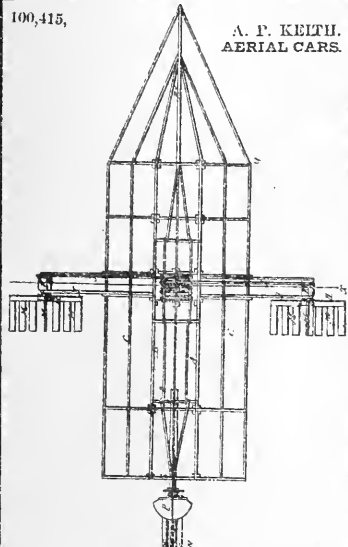
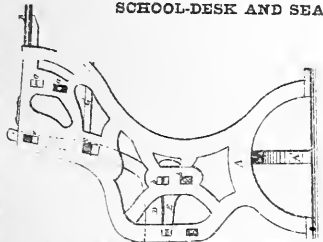
100,398,  
T. F. HAMMER.  
CAST-METAL LAMPS.100,405, CHAS. E. L. HOLMES.  
FLUTING-MACHINES100,411, WM. H. IVENS.  
STEAM-GENERATOR100,399, JOS. L. HARLEY.  
PLATE-PRINTING REGISTER100,400, ALBERT HERBARD.  
MACHINE FOR MAKING CAR-SPRINGS

100,406,

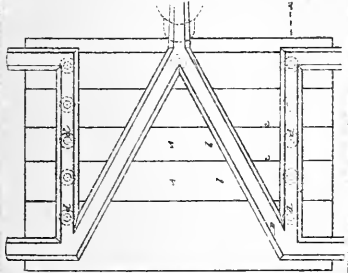
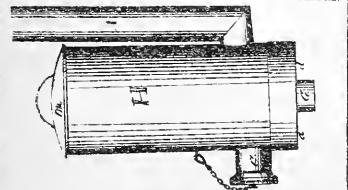
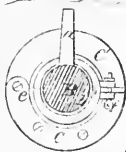
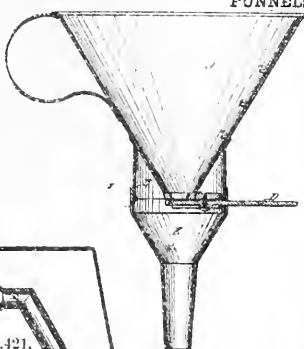
M. L. HORTON.  
COAL-STOVE.

100,412, J. N. JACOBS. CHURNS.

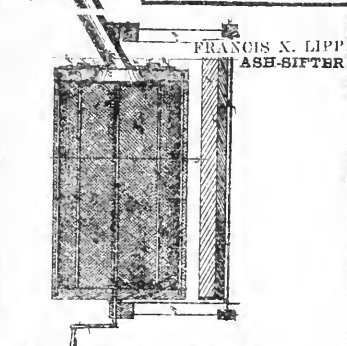
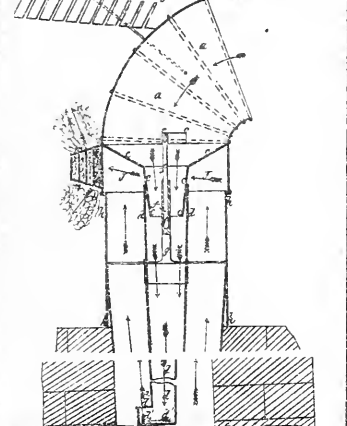
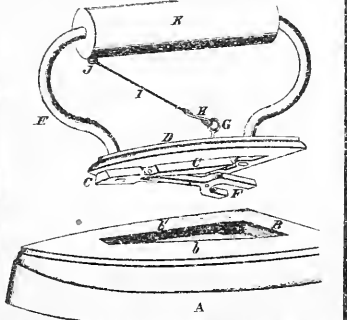
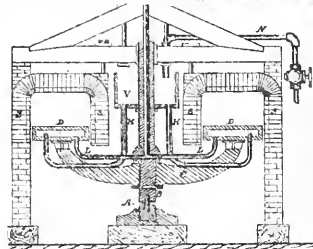
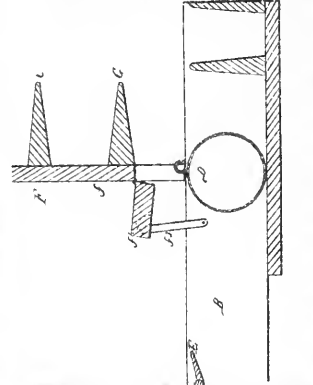
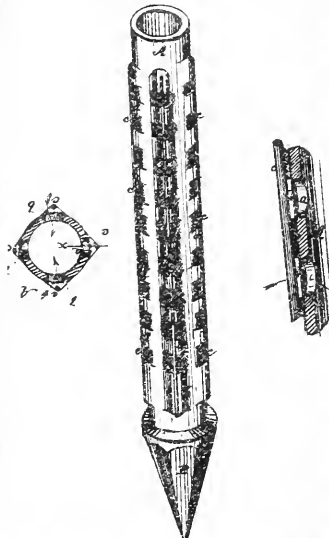
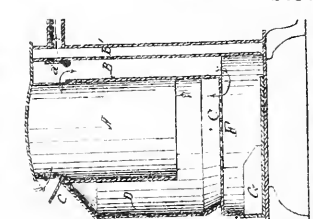


100,413, J. D. JAMES, JR.  
TIN-WORKERS' TONGS.100,414, J. D. JAMES, JR. MACHINES  
FOR SEAMING METAL ROOFS.100,415, A. P. KELTH.  
AERIAL CARS.100,416, W. H. KLINE.  
SCHOOL-DESK AND SEAT.

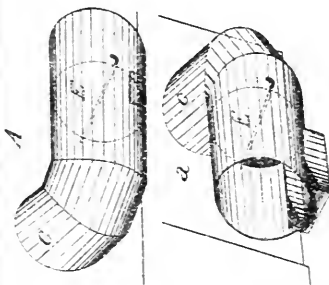
100,417, LUCIEN KNAPP. CURRY-COMBS.

100,418, PATRICK LAUGHLIN.  
CISTERN-FILTERS.100,419,  
SEWALL LEACH.  
RUDDER-COLLAR.100,420,  
WILLIAM E. LEDMUN.  
FUNNELS.

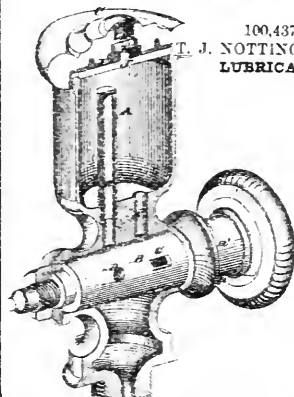
100,421,

FRANCIS X. LIPP.  
ASH-SIFTER.100,422, MILES LOCKHART.  
CHIMNEY-COWL.100,423, G. W. C. LOVELL.  
SMOOTHING-IRON.100,424, THOMAS LOWRY.  
KILN FOR ANNEALING GLASS.100,425, SAMUEL B. LUCKETT.  
CLOTH-MEASURING APPARATUS.100,426, CHARLES E. MACOMBER.  
CORYDON E. WHELPLEY.  
DRIVEN-WELL STRAINERS.100,427, WILLIAM MAGILL.  
BASE-BURNING STOVE.100,428, ARTHUR MAGINNIS.  
WM. MCCORMICK.  
COLLECTING WASTE SPIRITS  
FROM BREWERIES AND BARS.

100,429, S. C. MAINE.  
VENTILATOR FOR WINDOWS

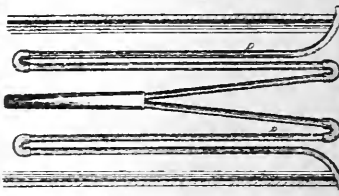


100,436, JAMES H. NEWTON.  
MANUFACTURE OF COMBINED  
CLOTH AND PAPER FABRIC.

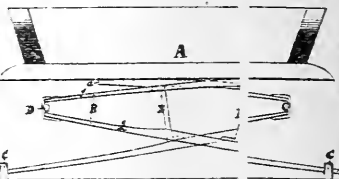


100,437,  
T. J. NOTTINGHAM,  
LUBRICATORS

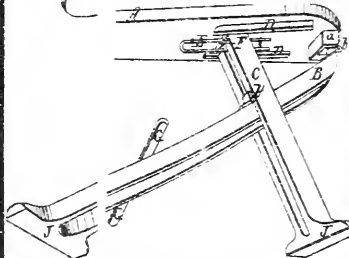
100,443, HENRY A. V. POST.  
STEAM-GENERATORS



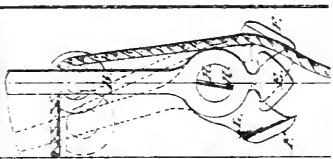
100,444, WILLIAM PRUETT.  
SPRING SEAT FOR WAGONS.



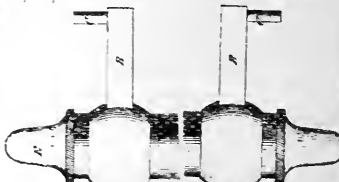
100,430, JAMES H. MALLORY.  
FOLDING IRONING-TABLE.



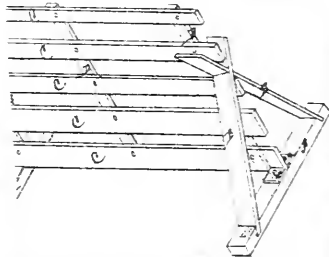
100,438, HARRISON OGBORN.  
CLOTHES-LINE FASTENER.



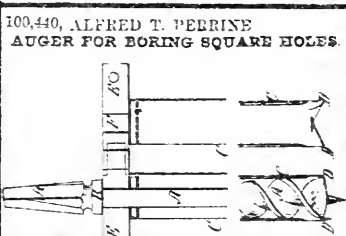
100,445, JAS. S. RAY, COFFIN-HANDLES.



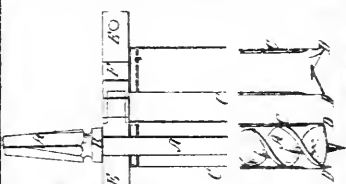
100,431, JOHN McCONNELL, FENCE.



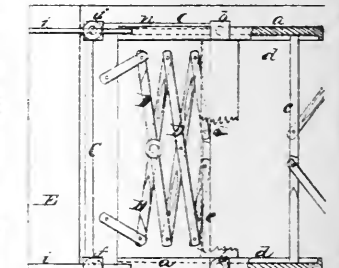
100,439, JOHN S. PEMBERTON, MEDICAL  
COMPOUND FROM GLOBE FLOWER.



100,440, ALFRED T. PEBRINE  
AUGER FOR BORING SQUARE HOLES.



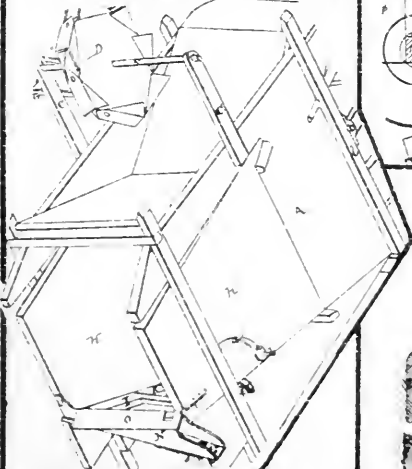
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FRETTRICH BOSCHDIANTZKY.  
EXTENSION-TABLE.



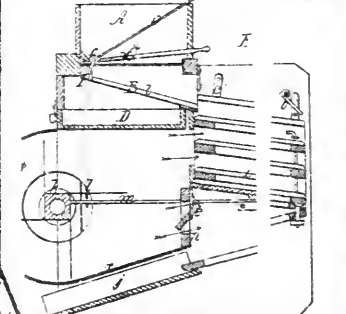
100,432, GEORGE McKENZIE.  
MANUFACTURE OF ILLUMINATING  
GAS FROM COAL AND  
OTHER MATERIALS.

100,433, GEORGE McKENZIE.  
MANUFACTURE OF ILLUMINATING-GAS

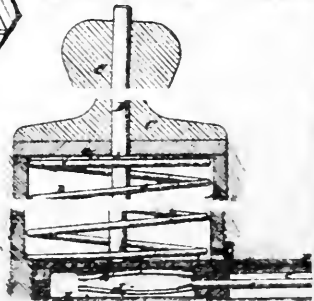
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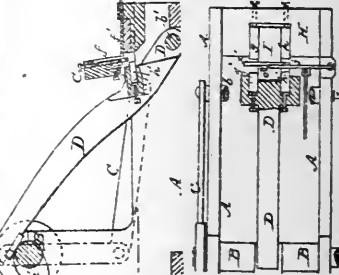
100,441, CHAUNCEY PERRY,  
JAMES E. WHEAT.  
GRAIN CLEANERS



100,442, A. WARNER PLATT.  
CIRCUIT-CLOSER FOR ELECTRO-  
MAGNETIC RAILROAD SIGNALS



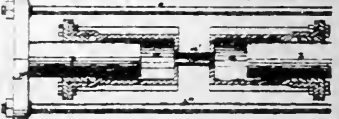
100,447, PHILEMON RICHARDS.  
NAIL-CUTTING MACHINES



100,448, J. P. RIDER,  
JAMES R. BIRD.  
COVERING THE ENDS OF RUBBER HOSE

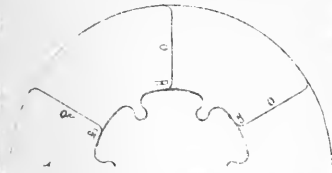
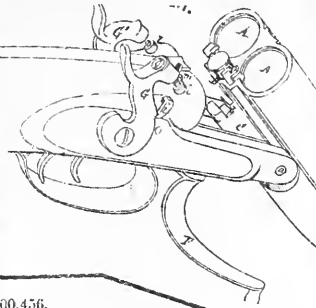
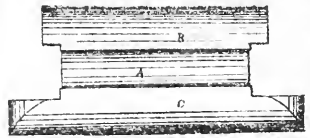
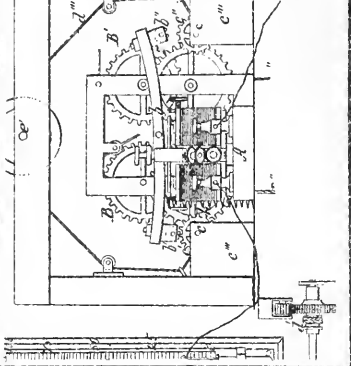
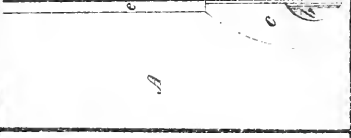
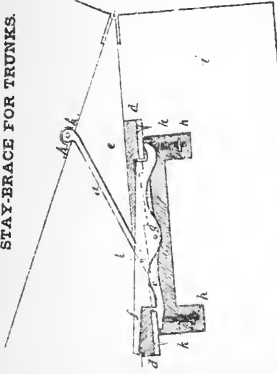
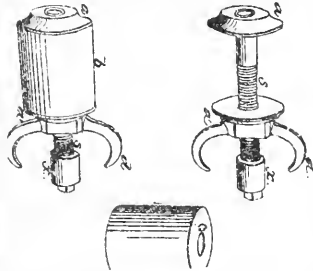
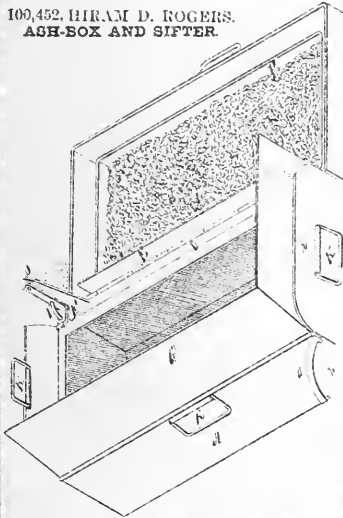


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DEVICE FOR SECURING UNIFORM  
MOTION IN PUMPING-ENGINES

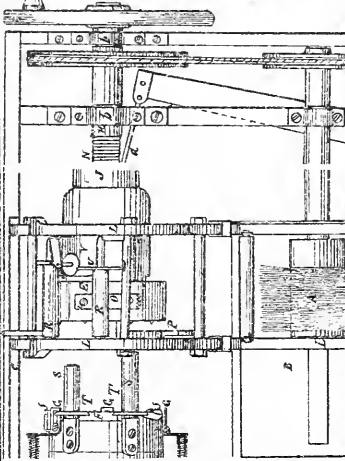
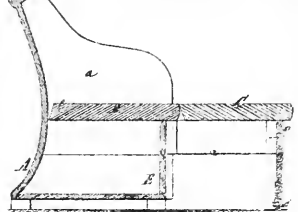
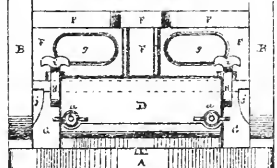


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MANUFACTURE OF HARD RUBBER.

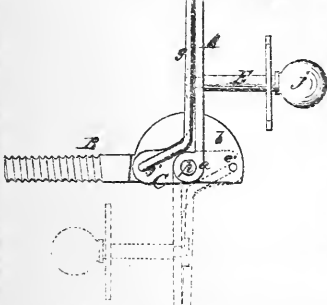
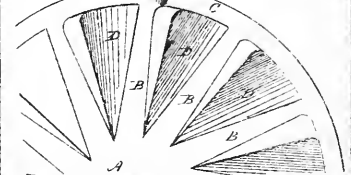
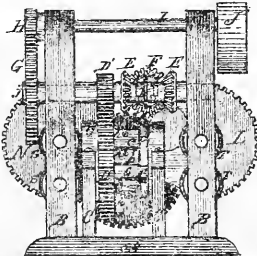
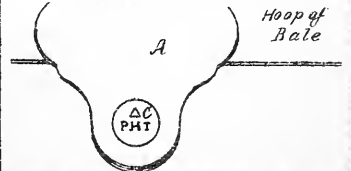


100,450, WILLIAM ROBINSON.  
LAMP-SHADES.100,455, EDWARD LEVI SARGENT.  
BREECH-LOADING FIRE-ARMS100,461, WILLIAM D. ST. CLAIR.  
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FOR DAMPERS OR VALVES.100,463, EDWIN A. STRATTON.  
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PREPARING AMMONIATED SULPHURIC  
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OF FERTILIZERS.

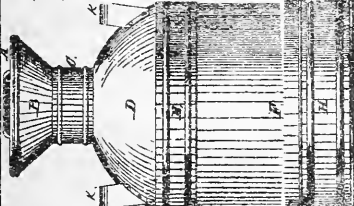
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100,459, DANIEL SIMMONS.  
PAPER-BOX MACHINES.100,464, M. SULZBACHER.  
SOFA-BEDSTEAD.100,465, F. B. SWEETLAND  
PAPER-CUTTING MACHINES.

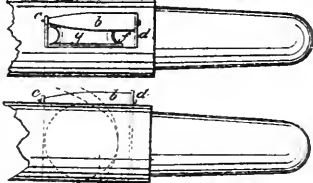
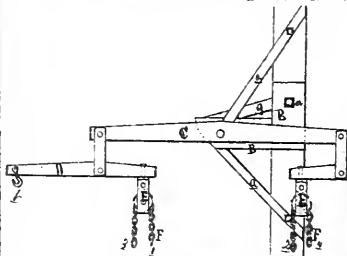
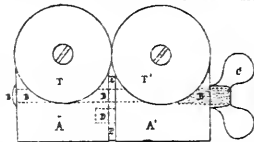
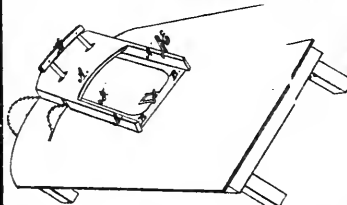
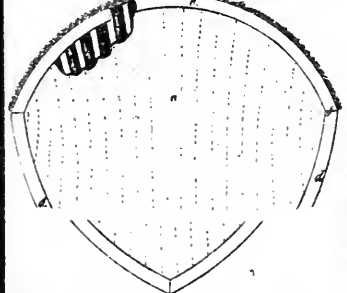
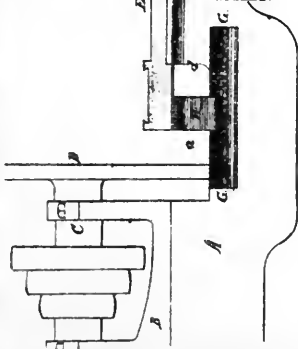
100,453, D. C. SAGE. BLIND-HINGES

100,466, EDWARD LOUIS TAYLOR.  
TOYS.100,460, HORACE S. SMITH. MACHINE  
WILLIAM HUGHES.  
FOR CLEANING AND POLISHING TUBES.100,467 P. H. TAYLOR.  
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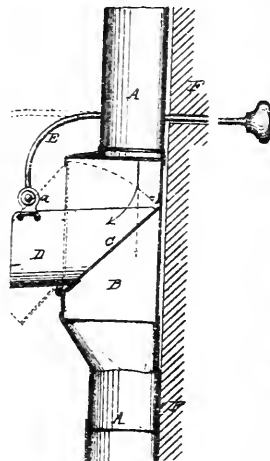
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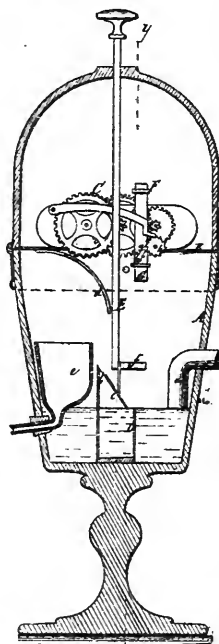
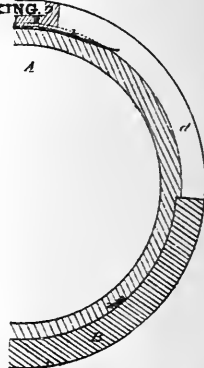
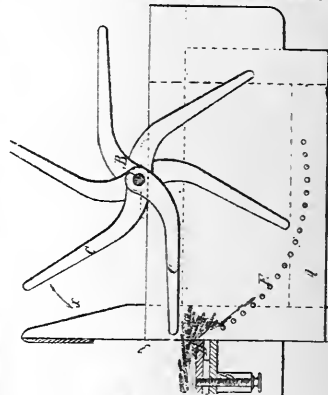


100,468, FRANK THOITS.  
FRICTION-ROLLS FOR YARD-ARMS.100,469, JOHN T. THORNTON.  
THREE-HORSE EQUALIZERS.100,470, THOMAS VICKERY.  
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SAWING-MACHINE.100,472, JULIUS WATERMAN.  
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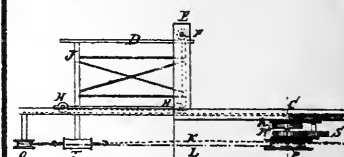
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J. P. WATSON.  
CISTERN CUT-OFFS.

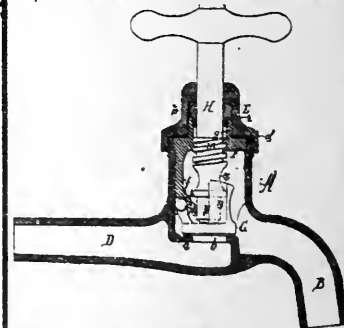
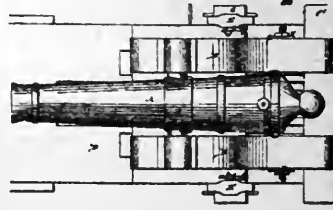
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A. WERKMEISTER.  
LIQUID-  
MEASURING AND REGISTERING DEVICE.100,477, WM. D. WHITMORE.  
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JOHN E. ALWOOD.  
THRASHING-MACHINES.

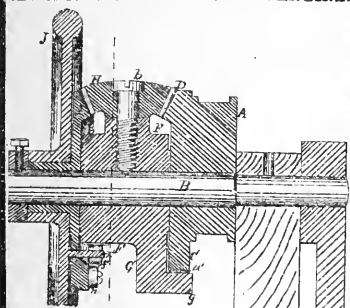
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M. ELLENBOGEN.

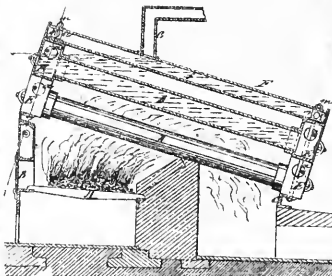
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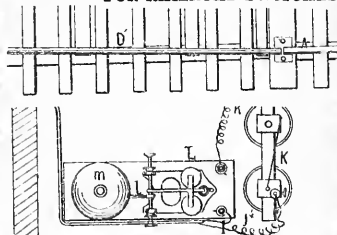
100,483, D. A. WOODBURY.  
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3,853, WM. P. ABENDROTH.  
JOHN GRIFFITH.  
G. W. WUNDRAM.  
T. H. MÜLLER.  
STEAM-GENERATORS.



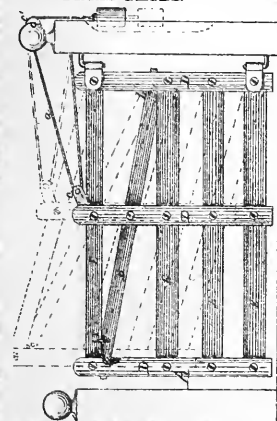
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R. E. RICE.  
ELECTRO-MAGNETIC ALARMS  
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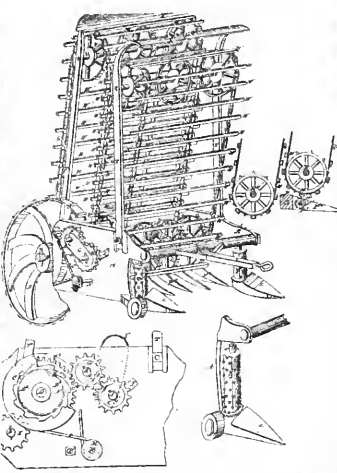
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BREECH-LOADING FIRE-ARMS.



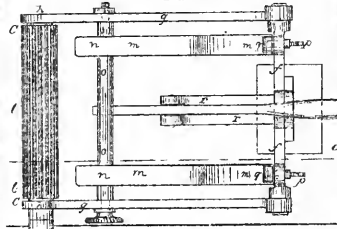
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W. H. WRIGHT.  
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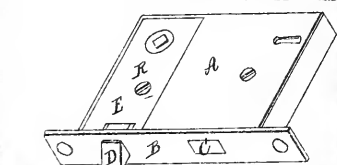
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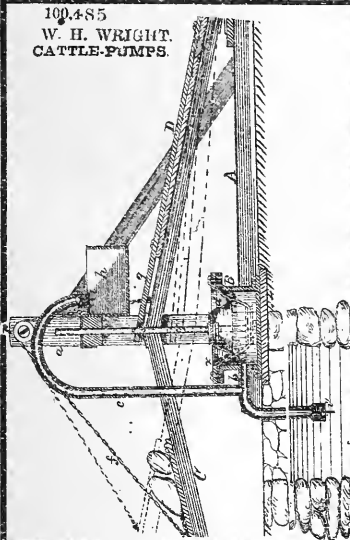
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3,862, BURTON MALLORY.  
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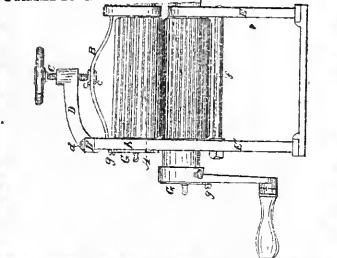
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3,855, JOHN P. BEATTY. HATS.



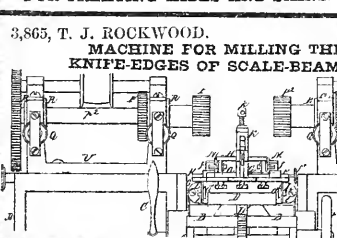
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CRIMPING MACHINE.



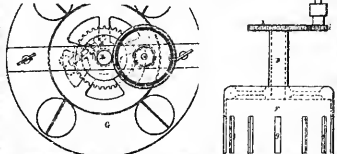
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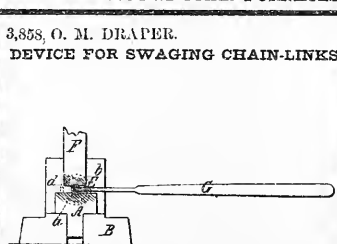
3,864, L. F. ROBERTSON. COMPOUNDS  
FOR TREATING HIDES AND SKINS.



3,865, T. J. ROCKWOOD.  
MACHINE FOR MILLING THE  
KNIFE-EDGES OF SCALE-BEAMS.



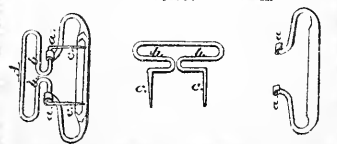
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JACOB J. STORER.  
APPLICATION OF FUEL IN  
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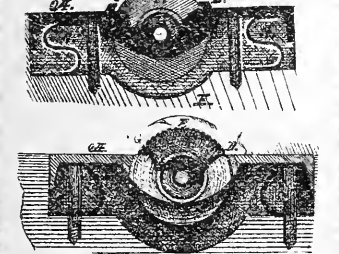
3,858, O. M. DRAPER.  
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3,867, JOSEPH A. TATRO.  
PROCESS OF TREATING PETROLEUM

3,868, GEO. R. KELSEY. BUCKLE.



100,486, R. B. HUGONIN.  
SASH-HOLDERS.

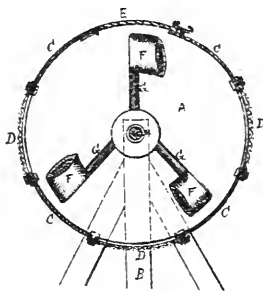
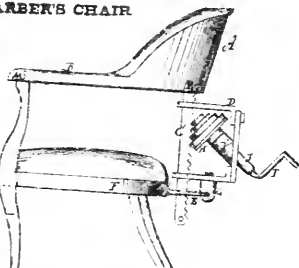
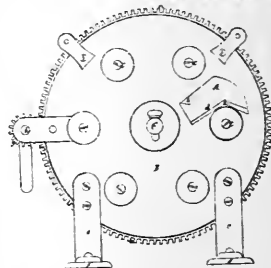
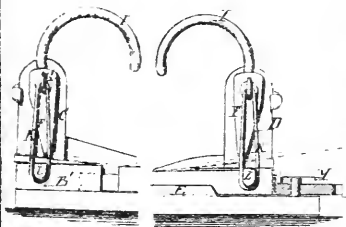
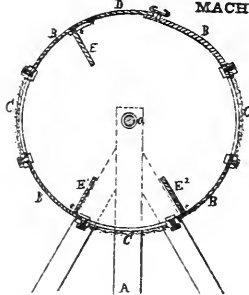
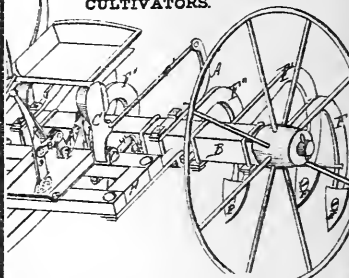
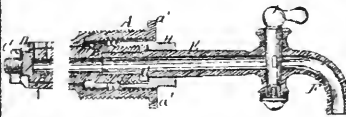
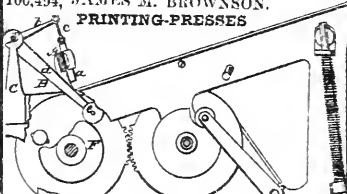


## ILLUSTRATIONS OF PATENTS

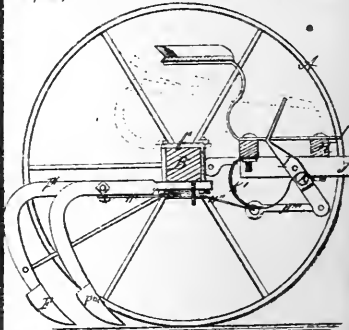
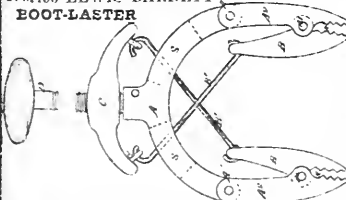
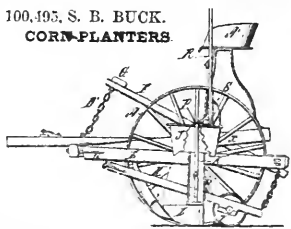
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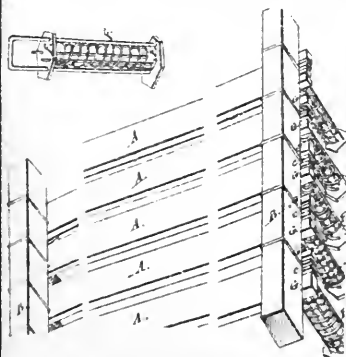
MARCH 8, 1870.

100,487, ANTHONY ABEL.  
BARBER'S CHAIR.100,493, WILLIAM BUTTERFIELD.  
CRIMPING-MACHINE.100,488, P. J. AYRES.  
TIRE-UPSETTING MACHINE.100,493, J. W. BRADY. COFFEE-CLEANING  
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CULTIVATORS.100,489, FRANCIS M. BACHMAN.  
SAMUEL RICKER. FAUCETS.100,494, JAMES M. BROWNSON.  
PRINTING-PRESSES

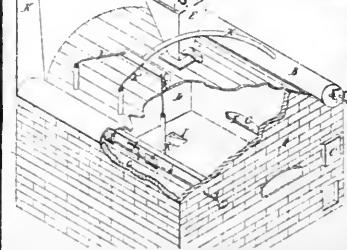
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100,490 LEWIS BARNETT.  
BOOT-LASTER100,495, S. B. BUCK.  
CORN-PLANTERS

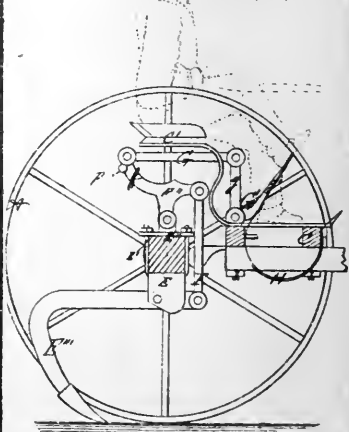
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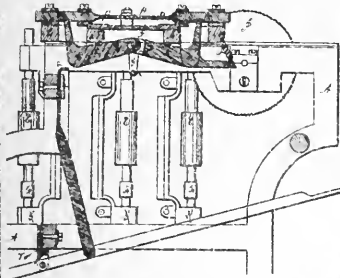
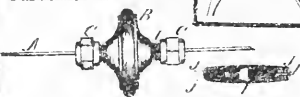
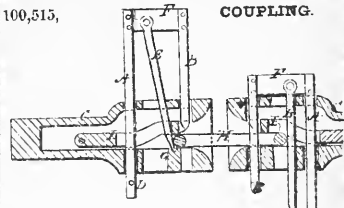
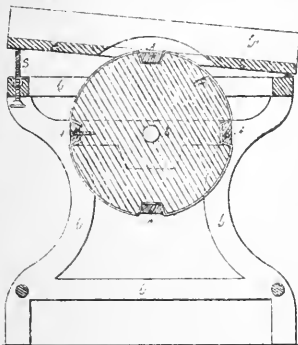
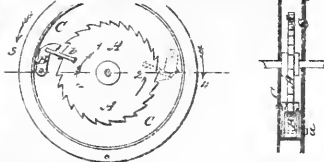
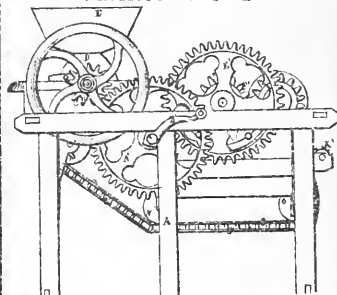
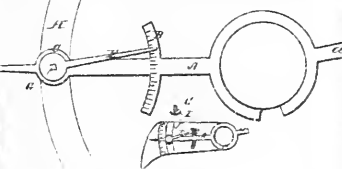


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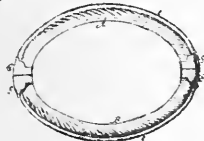
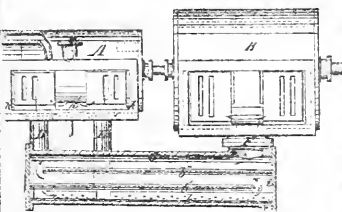
ELIZABETH A. BURNS.  
DESULPHURIZING ORES

IRA BUCKMAN, JR.

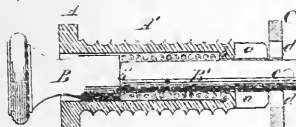
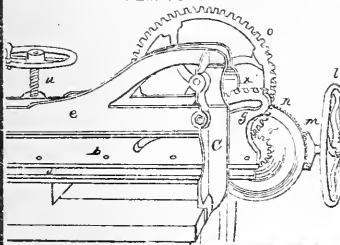
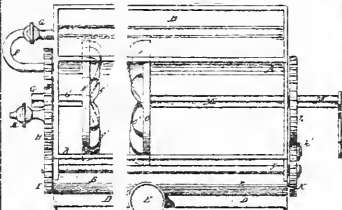
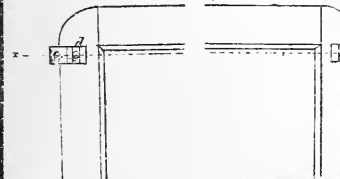
100,496,  
FRUIT-JARS100,492 J. W. BRADY.  
COFFEE-CLEANING MACHINES.HORACE CARR.  
CULTIVATORS.  
100,501.

100,502, FRANK G. CHAPMAN.  
MORTISING-MACHINES.100,509,  
EDWIN O. DOW.  
STOP FOR  
BILLIARD-WIRES.WM. J. EVANS. RAILWAY-CAR  
100,515, COUPLING.100,516, GEO. D. FIELD.  
MEDICAL COMPOUND  
OR OINTMENT.100,503, FRANK G. CHAPMAN.  
MACHINE FOR POLISHING WOOD.100,510, JOHN H. DURRAN.  
RATCHET AND PAWL.100,517, W. K. FOLTZ. WINE AND  
W. A. McCOOL. CIDER-MILLS.100,511, JULIUS ELSON.  
WATCH-REGULATORS.

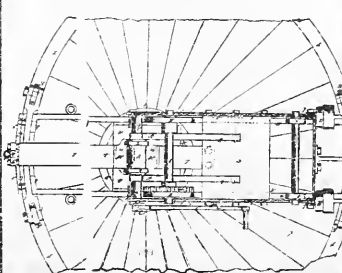
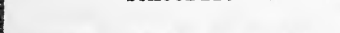
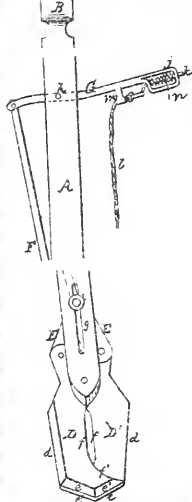
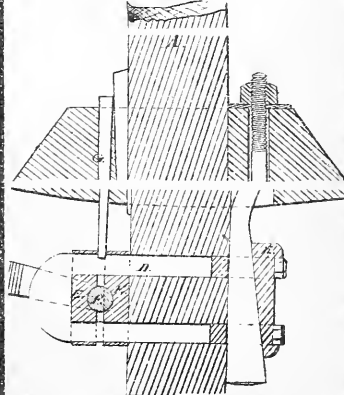
100,504, D. D. CODDING BRACELETS.

100,512, CHAS. E. EMERY.  
STEAM AND WATER-SEPARATOR  
FOR STEAM-ENGINES.

100,505, JAMES C. COOKE. SASH-BOLT.

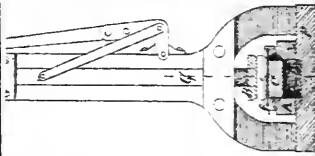
100,506, ARTHUR W. CURRIER  
PAPER-CUTTING MACHINES.100,513, REV. F. M. ENGLISH.  
WASHING-MACHINE.100,507, C. B. DICKINSON.  
SLATE-FRAMES.

100,514, J. ERICSSON. GUN-CARRIAGES.

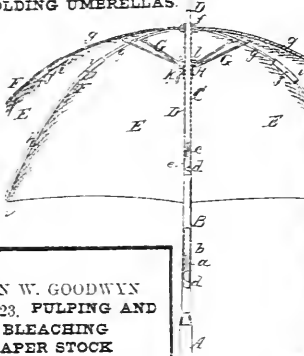
100,508, J. D. DIFFENDERFER.  
SCHOOL-DESK AND SEAT.100,518, ROLAND S. FRAME.  
HORSE HAY-FORK.100,519, JOHN P. FRIEND.  
BENJ. R. ANNABLE. HIDE-MILLS.

100,520, A. D. FULLMER. TANNING.

100,521, HENRY O. GANYARD.  
DIE FOR FORMING SHOVELS.

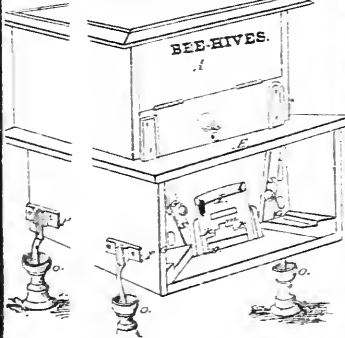


100,522, LOUIS GERLEN. HANDLES OF  
FOLDING UMBRELLAS.

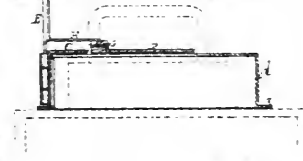


JOHN W. GOODWYN  
100,523, PULPING AND  
BLEACHING  
PAPER STOCK

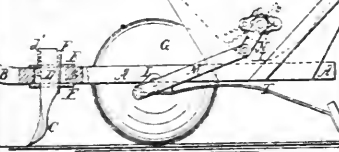
100,524, HENRY GREMS.



100,525, G. O. HANKS.  
SAD-IRON HEATER.



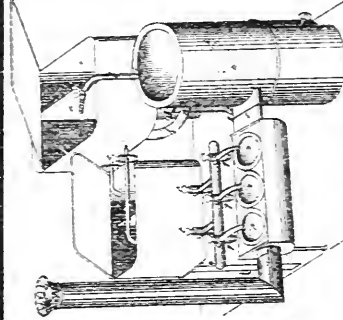
100,526, HENRY C. HARRIS.  
COTTON-SEED PLANTER  
AND FERTILIZER  
DISTRIBUTER



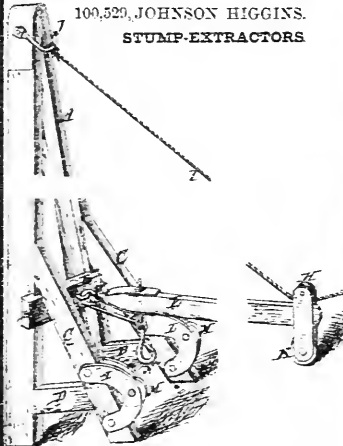
100,527, JAS. W. HAZLETT.  
ICE-CHAMBER  
FOR REFRIGERATORS



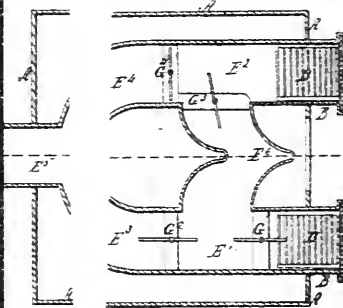
100,528, JACOB HEIM. EVAPORATING  
SALT-BRINES AND OTHER LIQUIDS.



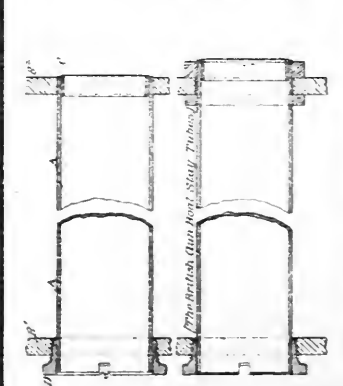
100,529, JOHNSON HIGGINS.  
STUMP-EXTRACTORS



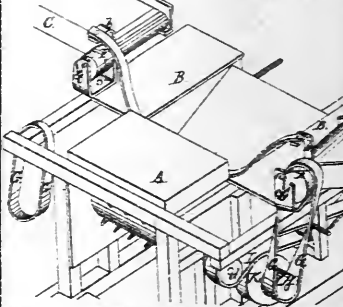
100,530, WILEY B. HIX.  
FLUE FOR DRY-HOUSES.



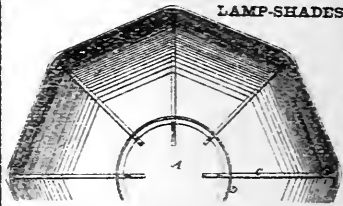
100,531, GEORGE P. HUNT.  
TUBE-FASTENING FOR  
STEAM-GENERATORS.



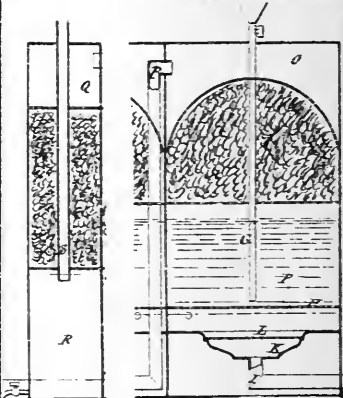
100,532, BENJAMIN F. JACKSON.  
BYRON JACKSON.  
GRAIN AND STRAW-CARRYING  
ATTACHMENT  
FOR SEPARATORS.



100,533, WILLIAM H. JOHNSON.  
LAMP-SHADES.



100,534, CHARLES LAWRENCE.  
CARBURETING AIR.



100,535, WILLIAM LEE. CORRUGATIONS  
OF BOOT AND SHOE UPPERS.



100,536,  
E. C. LOUD.  
STOVE-GRADE

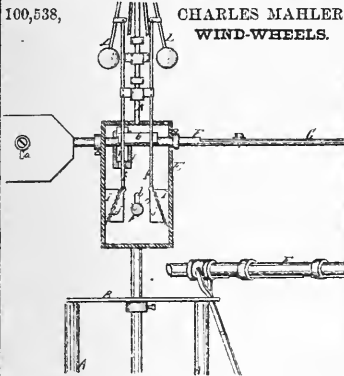


100,537 G. W. LOY. MILL-STONE DRESS.

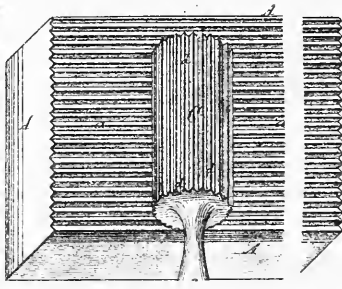
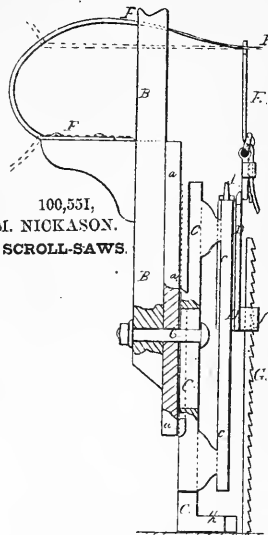




100,538,

CHARLES MAHLER.  
WIND-WHEELS.

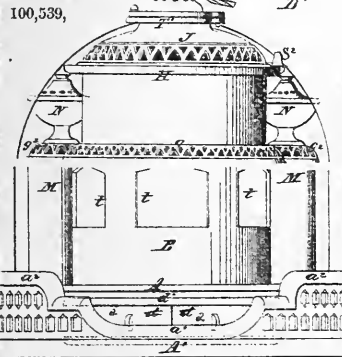
100,543, GEORGE B. MILL.

MEAT-FOUNDER, BLOCK,  
AND CHOPPING-BOWL.100,551,  
G. M. NICKASON.  
SCROLL-SAWS.

BASE-BURNING FIRE-PLACE HEATER.

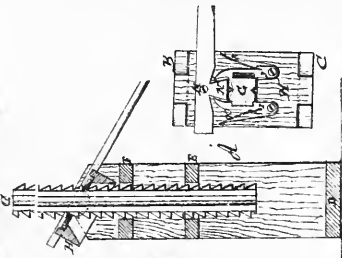
JOHN MARTINO.

100,539,

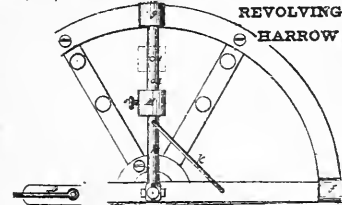


100,546, SAM'L. MILLER.

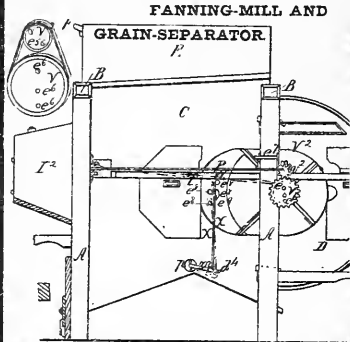
PRESSES FOR HAY, COTTON, &amp;c.



100,547, HALSEY H. MONROE.

REVOLVING  
HARROW

100,552, HARRISON OGBORN.

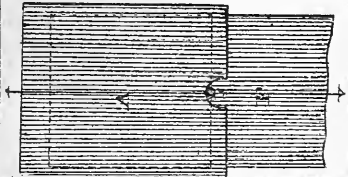
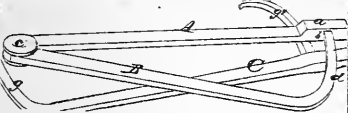
FANNING-MILL AND  
GRAIN-SEPARATOR.

100,540, MARY JANE MCCOLL.

MANUFACTURE OF WAX-FLOWERS.

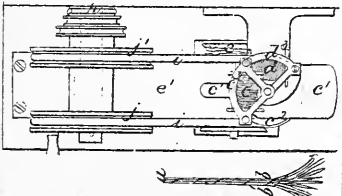
100,541, AUSTIN Z. MASON.

BEVEL-JAWED VISE.

100,542, ABNER McCOMBER.  
MINA WARD. INSTRUMENT  
FOR COUPLING RAILWAY-CARS.

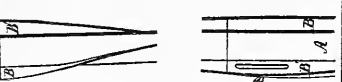
100,548, ROBERT MORRISON.

PREPARING BUTTON-HOLE TWIST.



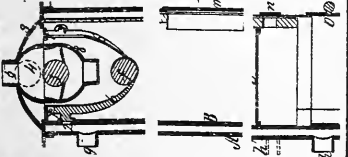
100,549, DAVID MUNSON.

LIGHTNING-RODS.

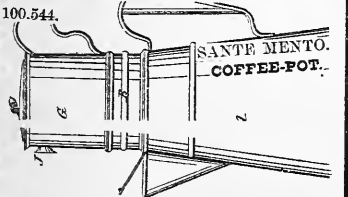


100,543, WILLIAM MELLER.

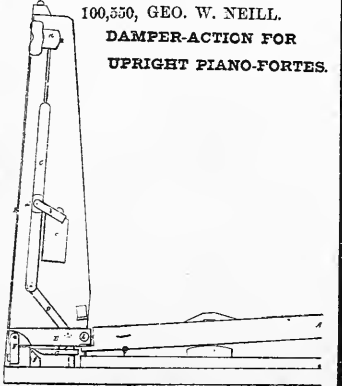
RAILROAD-CAR HEATERS.



100,544.

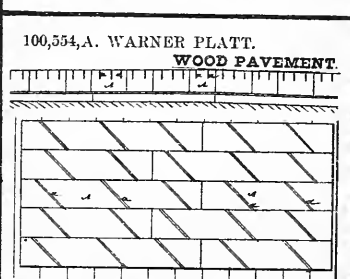
SANTÉ MENTO.  
COFFEE-POT.

100,550, GEO. W. NEILL.

DAMPER-ACTION FOR  
UPRIGHT PIANO-FORTES.

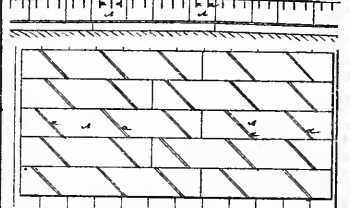
100,553, THOMAS L. OLDEN.

PURIFYING ACETIC ACID.



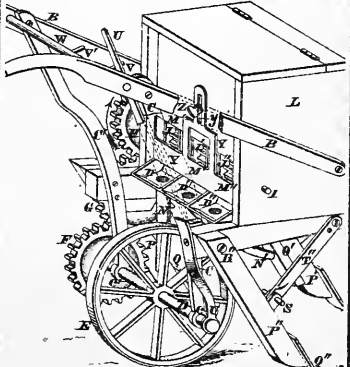
100,554, A. WARNER PLATT.

WOOD PAVEMENT.



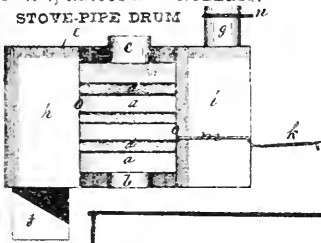
100,555, HIRAM PULSE.

GRAIN-DRILLS.



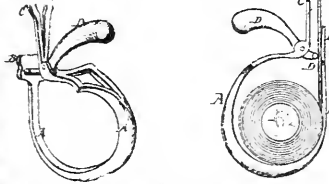
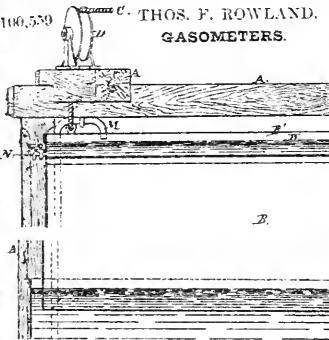
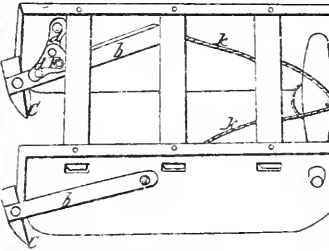
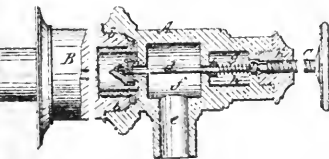
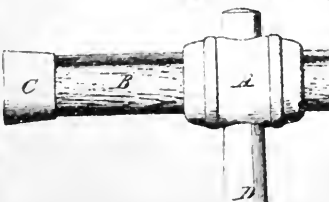
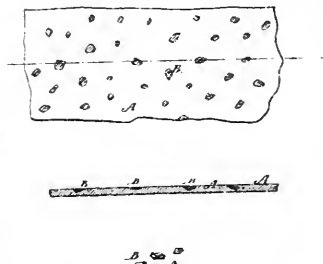


100,556, SUSPENDED

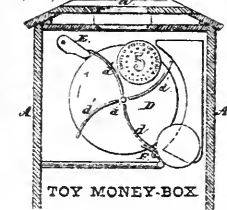
100,557, EDMUND D. ROBERTS.  
STOVE-PIPE DRUM

EDWARD J. ROBINSON.

100,558, WINDOW-SHADE HOLDER.

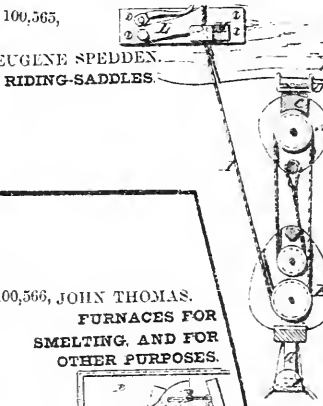
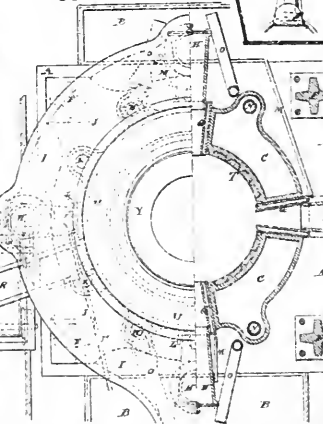
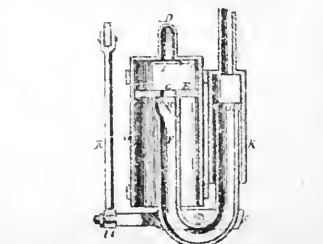
100,559, THOS. F. ROWLAND.  
GASOMETERS.100,560, GEORGE W. SANBORN.  
SLED-ERAKES.100,561, CARL SCHULTZ.  
THOMAS WARKER.  
SELF-CLOSING FAUCETS.100,562, SAMUEL C. SEARLES.  
CALKERS' Mallet.100,563, SIMON P. SIVER.  
FELTED FABRICS.

100,564, F. W. SMITH, JR.

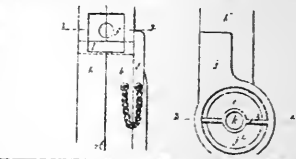
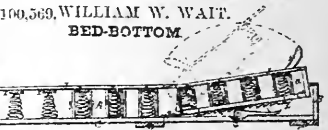
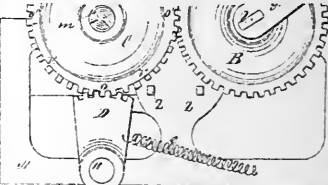
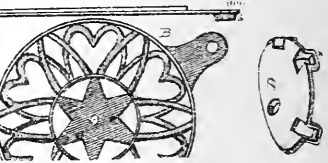
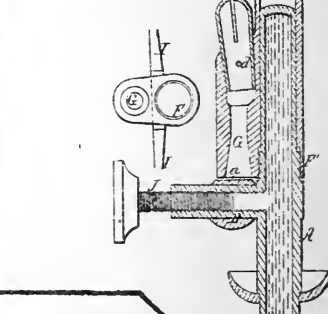
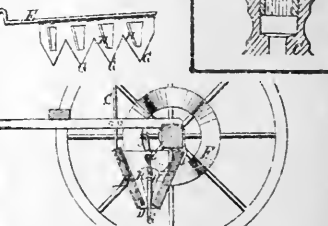
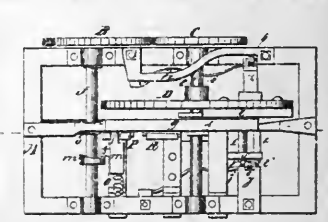


TOY MONEY-BOX

100,565,

EUGENE SPEDDEN.  
RIDING-SADDLES.100,566, JOHN THOMAS.  
FURNACES FOR  
SMELTING, AND FOR  
OTHER PURPOSES.100,567, WILLIAM L. THOMAS.  
BALANCED WATER-ELEVATOR.

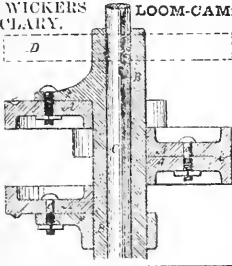
100,568, G. ULMANN. SEAL-LOCKS.

100,569, WILLIAM W. WATT.  
BED-BOTTOM.100,570, EDWIN WASSSELL.  
MACHINE FOR MAKING HORSESHOES.100,571, JOHN J. WATSON.  
STOVE-SHELF AND DRIER.100,572, HENRY WELLINGTON.  
VAPOR-BURNERS.100,573, T. J. WEST.  
FERTILIZER-SOWER.100,574, CHARLES W. WETTENGOEL.  
MACHINE FOR MAKING HORSESHOES.

GEO. O. WICKERS  
T. J. McCLARY.

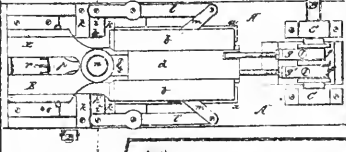
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LOOM-CAMS.

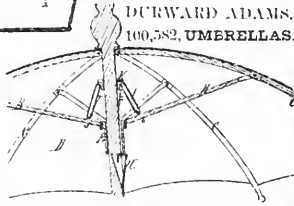


100,581.

JOHN R. ABBE.  
BOLT-MACHINE.

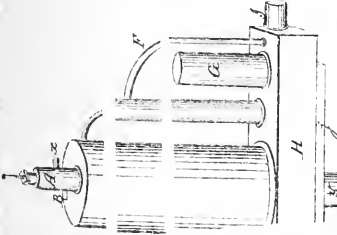


DURWARD ADAMS.  
100,582. UMBRELLAS.



100,576, MARTIN WILCOX.

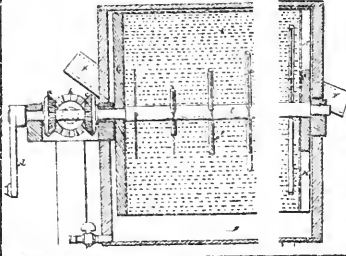
STEAM-PUMP DEVICES.



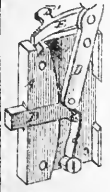
100,583.

E. D. AVTRELL.  
JOSEPH MALAN.

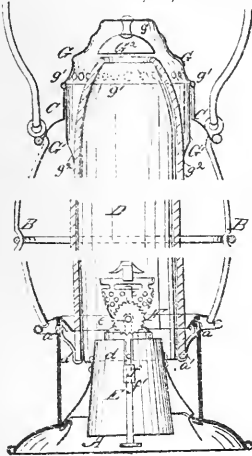
VEGETABLE AND FRUIT-PEELER.



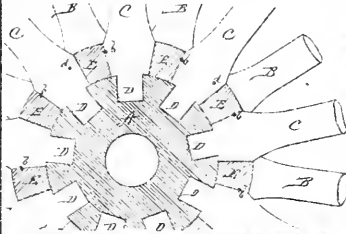
100,577, JAMES WILKINSON.  
IN SASH-HOLDERS.



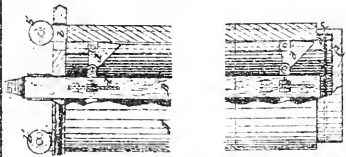
ARNOLD WITHMAR.  
100,578, LANTERNS.



100,584, J. R. BAIRD, CARRIAGE-WHEELS.

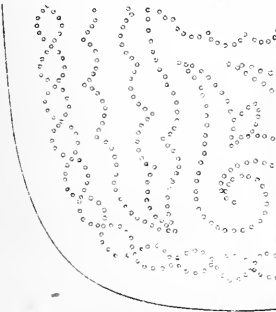


100,585, ANSON BALDING.  
EXPANSIBLE CORES FOR  
CASTING IRON, GLASS, &c.



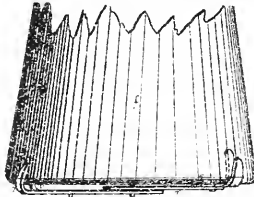
100,579, W. P. WOLFINGTON.

METHOD OF LAYING OFF PATTERNS  
FOR STITCHING ON LEATHER.



100,586, E. W. H. BASS.

MUSTACHE-GUARD  
FOR DRINKING-VESSELS.



100,587, C. G. BAYLOR.

AN ARTICLE OF DIET.

100,588, EZRA BLAKELEY.

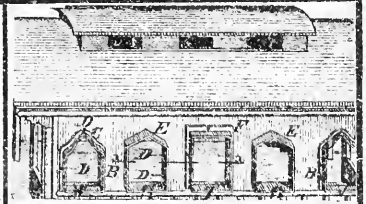
PAINT COMPOUND.

100,580, E. G. WRIGHT.

INLAYING METALLIC SURFACES.

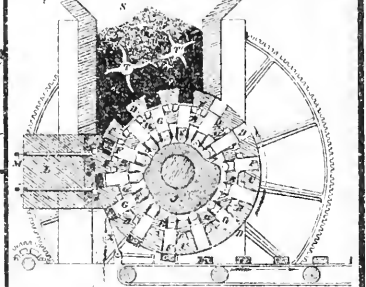
100,589, ISAAC BONNELL, JR.

RAILROAD-CAR VENTILATOR.



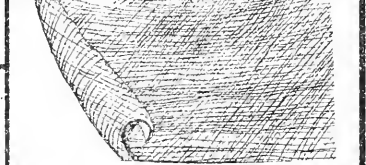
100,590.

GEORGE C. BOVEY.  
BRICK-MACHINES.



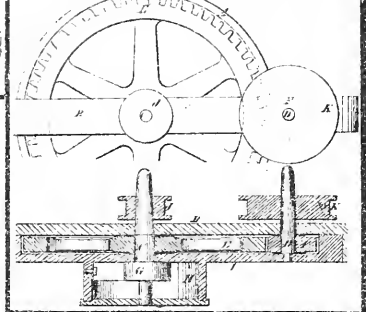
100,591, THOS. BRACHER.

WATER-PROOF FABRIC.

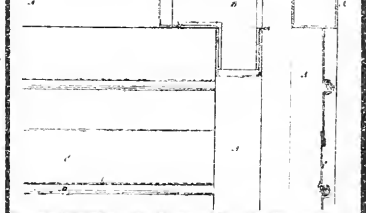


100,592, HENRY L. BREVORT.

REDUCING-GEAR FOR STEAM-ENGINE  
INDICATORS.

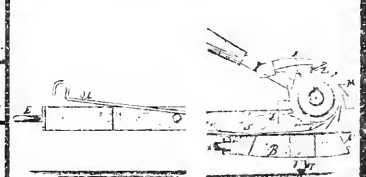


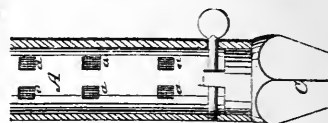
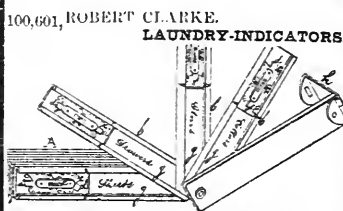
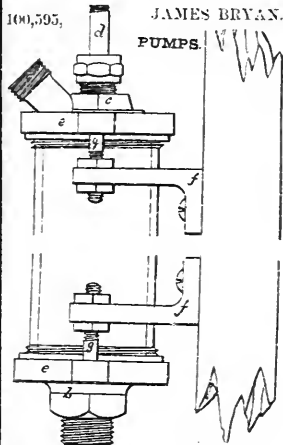
100,593 W. E. BROCK.  
BLINDS.



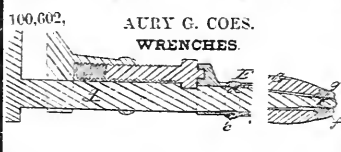
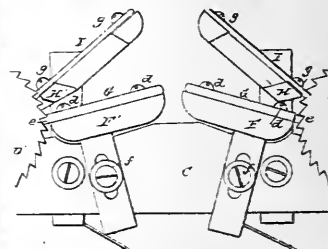
100,594, JOHN S. BROWN.

ADJUSTABLE WINDLASSES.

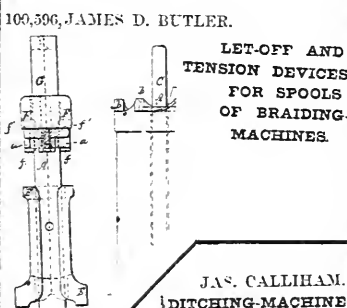
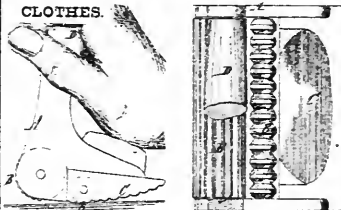




100,610, SETH C. ELLIS.  
MACHINE FOR MAKING SASH



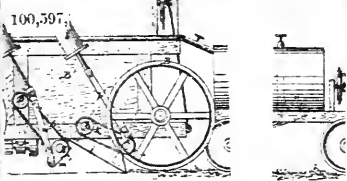
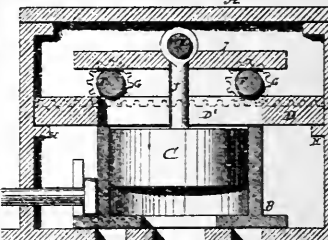
100,603, G. F. J. COLBURN.  
HAND-RUBBER FOR WASHING  
CLOTHES.



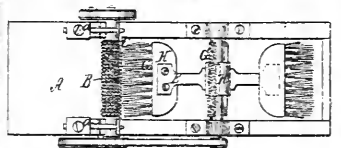
100,611, COMBINED HAY-KNIFE AND  
PRUNING-HOCK.



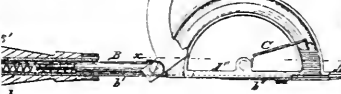
100,612, JAMES FITZGERALD.  
BALANCE SLIDE-VALVE.



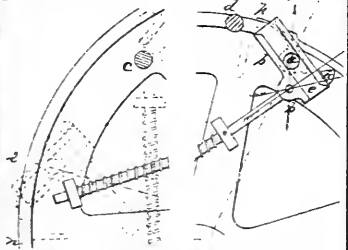
100,604, NOAH I. COLE.  
MACHINE FOR PICKING CURLED HAIR.



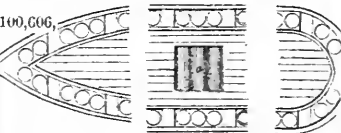
100,605, MACK D. CONVERSE.  
BRAD-SETTER.



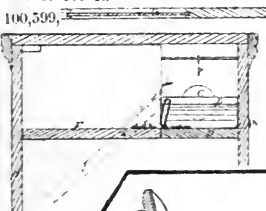
100,598, ANDREW CAMPBELL.  
PRINTING-PRESSES.



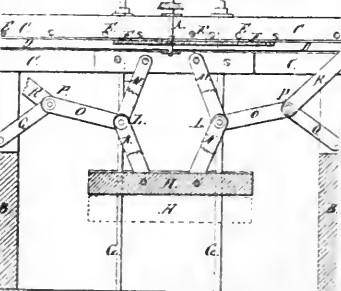
G. W. COREY,  
THOMAS LOSIE. FLOATING SHIPS.



H. C. CASE. ANIMAL-TRAP.

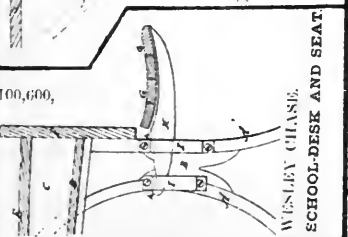


100,607, DEXTER CURTIS. PRESSES.

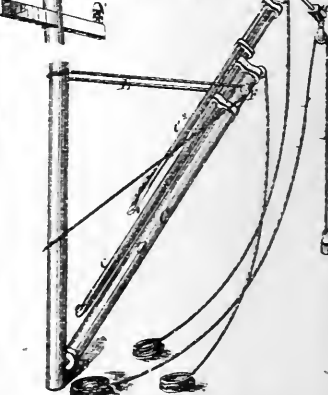


100,608, E. J. DE SMEDT. COMPOSITION  
FOR PRESERVING TIMBER AND WOOD.

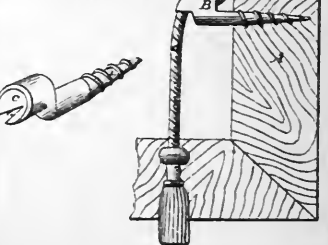
100,609, SAMUEL H. DICKERSON.  
WELL-BORER.



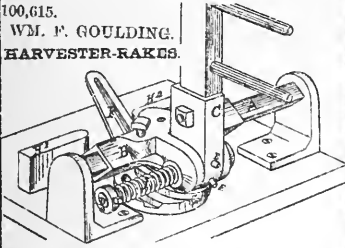
100,613, GEORGE FLEMING.  
POLE-ASCENDING  
APPARATUS.



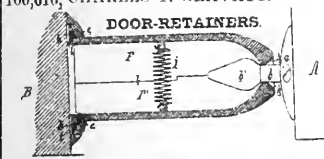
100,614, GEO. S. GLADDING.  
IMPROVED CORD-HOLDER  
FOR WINDOWS, &c.



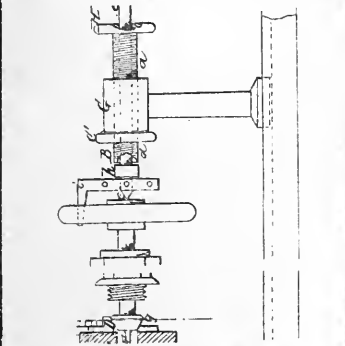
100,615.  
WM. F. GOULDING.  
HARVESTER-RAKES.



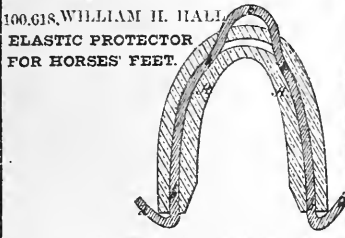
100,616, CHARLES T. GRAYATT.  
DOOR-RETAINERS.



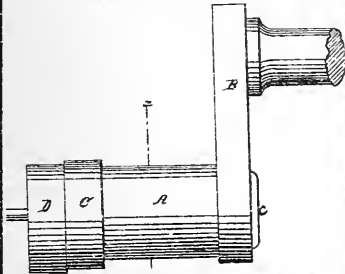
100,617, C. F. HALL. MACHINE  
FOR REFITTING CONICAL VALVES



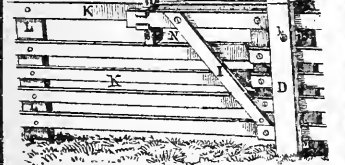
100,618, WILLIAM H. HALL.  
ELASTIC PROTECTOR  
FOR HORSES' FEET.



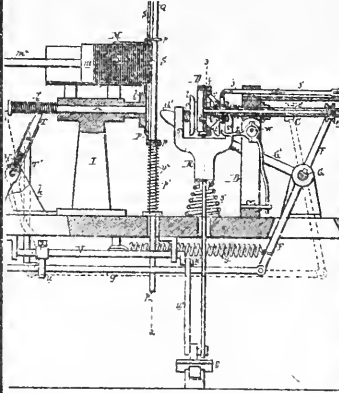
100,619, WM. HASEN.  
VARIABLE CUT-OFF VALVE-GEAR.



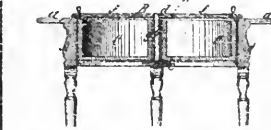
100,620,  
CALVIN HART. FARM-GATES.



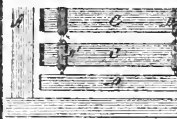
100,621, CHARLES B. HATFIELD.  
PAPER-BOX MACHINES.



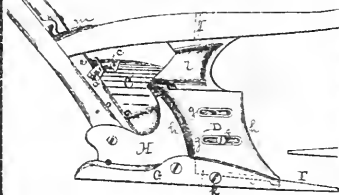
100,622, W. W. HAWLEY.  
SELF-WAITING TABLE.



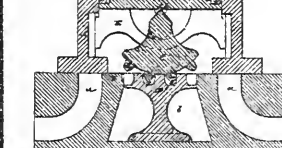
MARSHAL HAYS.  
100,623,  
WATER-GATES.



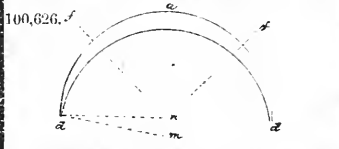
100,624, DANIEL HEIGES. PLOW.



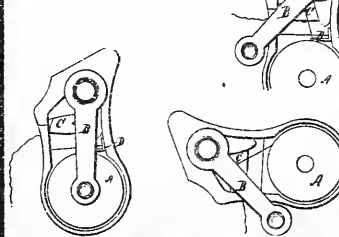
ABRM. HEMINGWAY. SLIDE-VALVES.  
100,625,



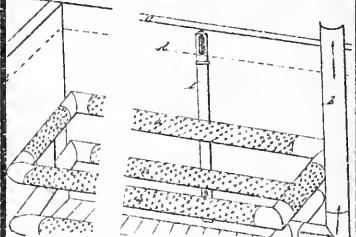
B. T. HENRY. CARRIAGE-SPRINGS.



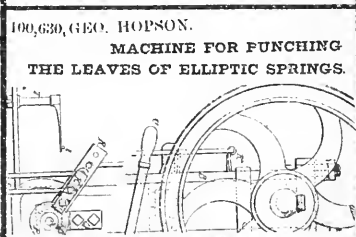
100,627, JAMES B. HERRESHOFF.  
SHUTTLE FOR  
SEWING-MACHINE.



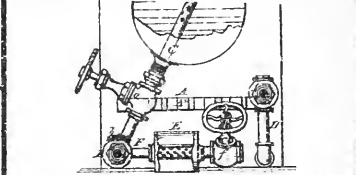
100,628, THEODORE A. HOFFMANN.  
ASPIRATORS FOR PREVENTING  
OVERHEATING OF GRAIN, &c.



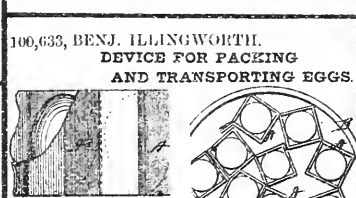
100,629, H. A. HOGEL. TREATING  
BLOOD FOR THE PREPARATION  
OF FERTILIZERS AND FOR OTHER  
PURPOSES.



100,630, GEO. HOPSON.  
MACHINE FOR PUNCHING  
THE LEAVES OF ELLIPTIC SPRINGS.



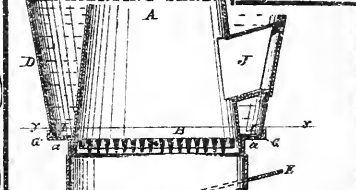
100,632, THEODORE HYATT.  
HEAT-RESISTING MATERIALS  
FOR SAFES, BANK-VAULTS, &c.



100,633, BENJ. ILLINGWORTH.  
DEVICE FOR PACKING  
AND TRANSPORTING EGGS.



100,634, J. HENRY JENNINGS.  
CHECKS FOR GAS-BURNERS.



100,635, THOMAS W. JOHNSTON.  
SPRING-BED BOTTOM  
100,636,

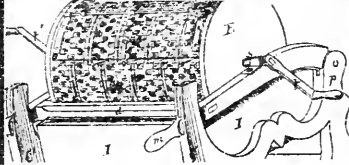


100,637.



100,638, HENRY A. JONES.  
TABLET, TOKEN, OR CHECK  
TO BE USED IN LIFE INSURANCE

100,639, JOHN M. KEATING.  
PEANUT-CLEANING  
AND POLISHING-MACHINES.



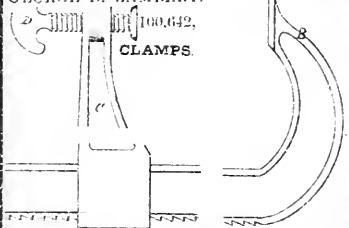
100,640, J. M. KEET MUCILAGE-HOLDERS.



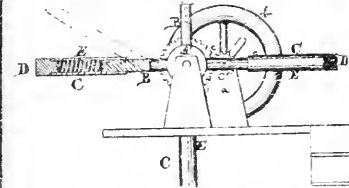
WILLIAM J. KEET STOVE-PIPE DAMPER  
100,641.



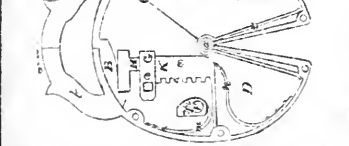
GEORGE D. LAMBERT.



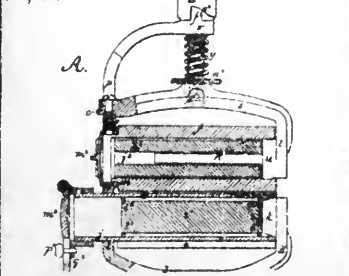
100,643, SYLVESTER L. LANGDON.  
MOTIVE POWER FOR CARRIAGES



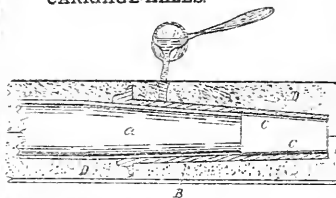
100,644, TOLBERT LANSTON.  
PADLOCKS.



THOMAS LEAVITT FLUTING-MACHINES  
E. L. HOWARD.  
100,645.

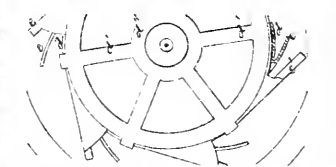
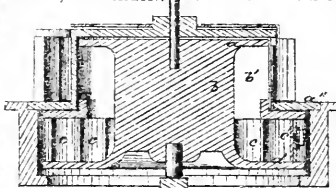


100,646, WILLIAM A. LEWIS.  
CARRIAGE-AXLES.



100,647, ORAZIO LUGO.  
TREATING LIQUORS  
CONTAINING GELATINE OR GLUE

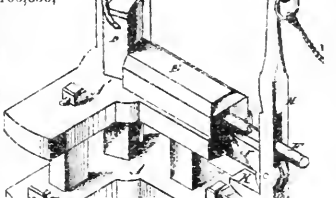
100,648, S. MARTIN. WATER-WHEELS.



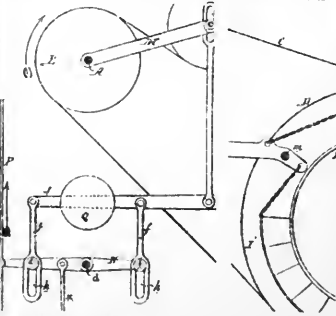
100,649, W. B. MASON.  
FLAT-IRON POLISHER AND HOLDER.



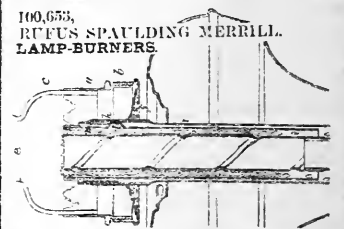
J. M. McDONALD, HORSE HAY-FORK  
100,650.



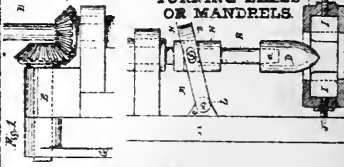
WILLIAM HENRY MERRICK.  
SAFETY-MECHANISM  
FOR HOISTING-APPARATUS.



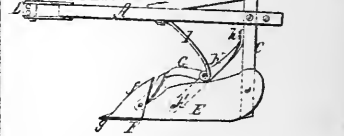
100,652, JOSHUA MERRILL.  
COMPOUND FOR STUFFING LEATHER.



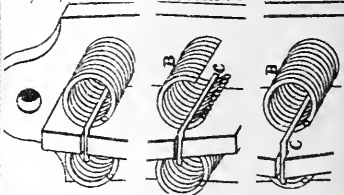
100,653, RUFUS SPAULDING MERRILL.  
LAMP-BURNERS.



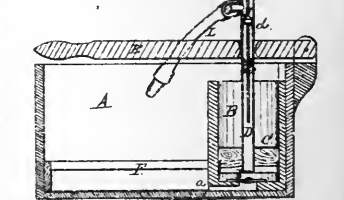
100,655, L. H. OLNSTED.  
CULTIVATORS.



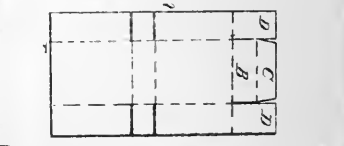
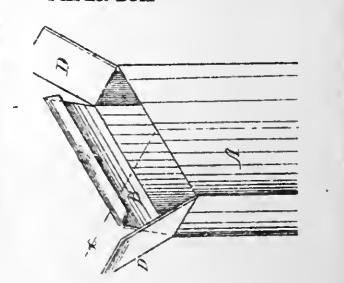
100,656, WALTER NOTMAN, CARD-RACKS



100,657, MERRILL S. ORTON.  
PETER B. STILES.  
DISH-WASHER.



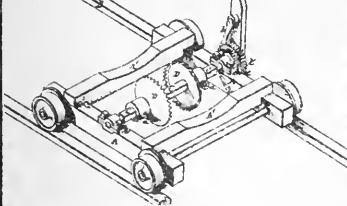
100,658, B. OSBURN.  
PAPER BOX.



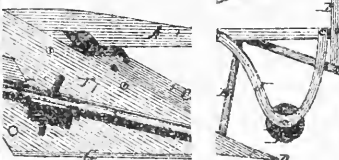
100,659, J. L. OTIS, EMERY-WHEELS



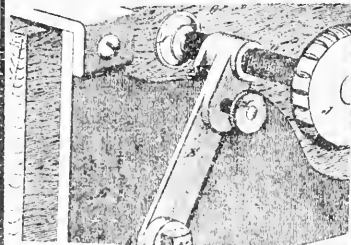
ANDREW G. PARK.  
100,660, SAWING-MACHINES.



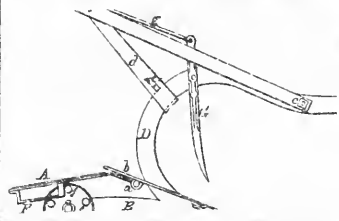
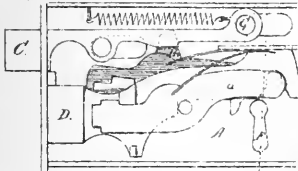
100,667, W. R. PRINCE.  
POTATO-DIGGERS.



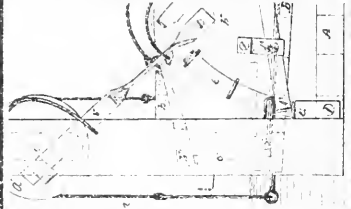
100,672, ANTON SCHMACKERS.  
MORTISING-MACHINES.



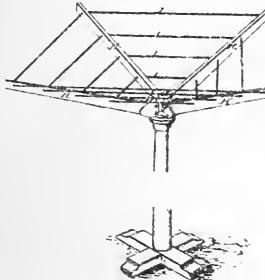
F. P. FEEGHAN.  
100,661, COMBINED LATCH AND LOCK.



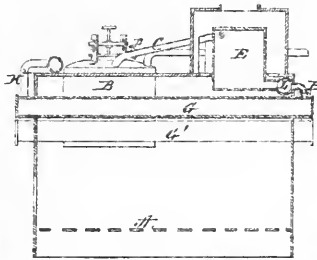
100,673, JOHN Q. A. SCHOONOVER.  
WATER-CURRENT MOTORS.



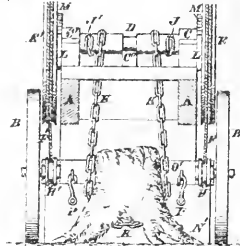
100,662, RUSSELL PHILLIPS.  
CLOTHES-DRIER.



100,668, A. C. RAND.  
MANUFACTURE OF  
ILLUMINATING GAS.



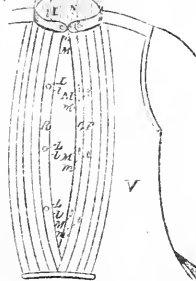
HENRY SCHWARTZ.  
100,674, STUMP-EXTRACTORS.



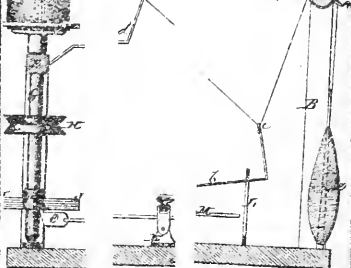
100,663, LEVI PIERCE. MODE OF SUSPENDING  
MIRRORS TO FURNITURE.



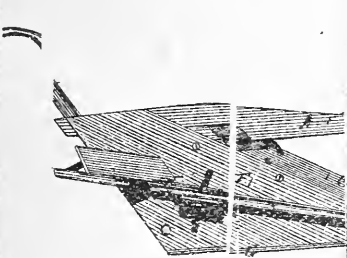
CHARLES O. RICHTER.  
100,669, REVERSIBLE SHIRTS.



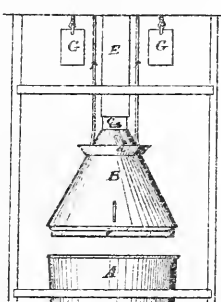
SAMUEL SEMPLE, JR. STOP-MOTION  
FOR SPOOLING-MACHINES.  
100,675,



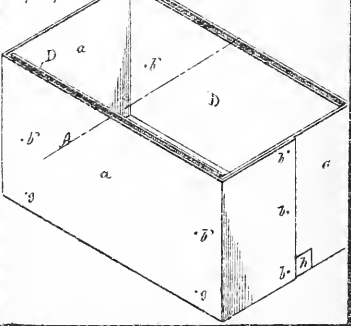
100,664, WILLARD PIERCE. DITCHING-MACHINES.



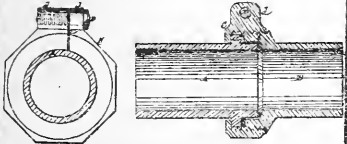
100,670, THOS. E. ROGERS.  
DYE-VATS.



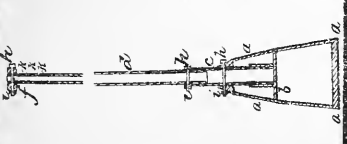
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100,676, WALTER SHAW.



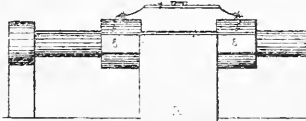
100,665, ROBERT M. POTTER.  
UNION-COUPPLINGS FOR PIPES.



100,666, E. FREEMAN PRENTISS.  
TELEGRAPH-POLES.



BOZIL S. ROY LUBRICATING 100,671,  
THE TRAVERSING-GUIDE  
IN MACHINES FOR FEEDING  
CARDING-ENGINES.

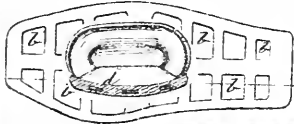


FREDERICK M. SHEPARD.  
HEELS OF RUBBER BOOTS AND SHOES.  
100,677,



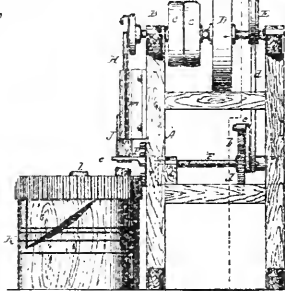


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SOLES OF RUBBER BOOTS AND SHOES.

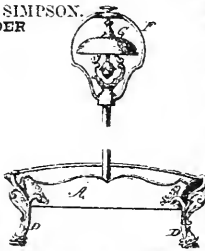


ROBERT D. SILVERWOOD.  
WOOD-SPLITTING MACHINES.

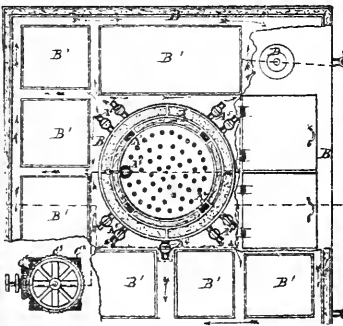
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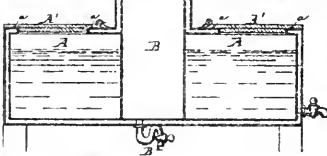
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SPOON-HOLDER  
AND BELL



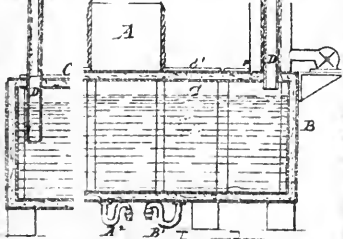
APPARATUS FOR REFRIGERATING  
100,681, D. E. SOMES. AND PRESERVING.



COOLING AND PRESERVING-TANK.  
100,682, D. E. SOMES.

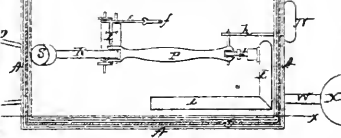


D. E. SOMES. APPARATUS FOR COOLING  
100,683, AND PRESERVING.

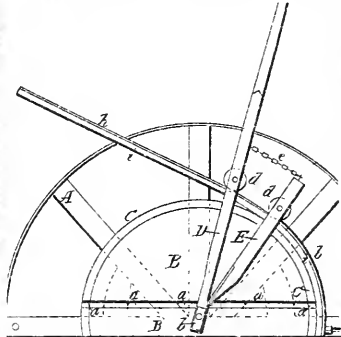


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DAVID A. SPRINKLE.  
GAS-MACHINES.



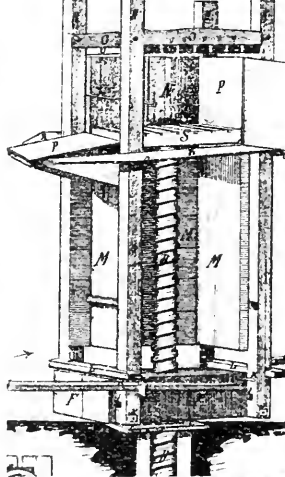
100,685, THEODOR G. SPRINGER.  
MACHINE FOR BENDING FELLOES.



100,686, J. M. STAMP.  
TOOL FOR LACING BELTS.



100,687, GEORGE W. SWIFT.  
HAY AND COTTON-PRESSES.

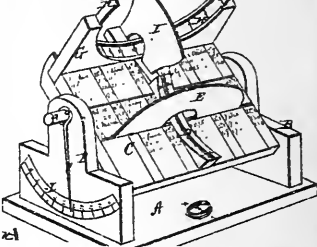


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ROOFING COMPOUND.

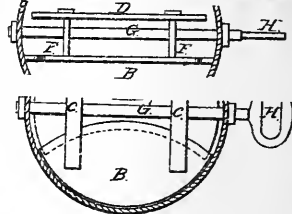
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MANUFACTURE OF ICE, AND  
COOLING AIR, LIQUIDS, &c.



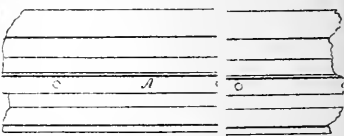
L. IGNATIUS TRUEG. 100,691.  
SUN-DIALS.



100,692, JOSEPH P. TUTTLE. DAMPERS.



JACOB VALENTINE. RAILWAY-RAIL  
FRANCIS HARRIS, JUN. 100,693, SPLICE.  
CHAUNCEY BARNES.

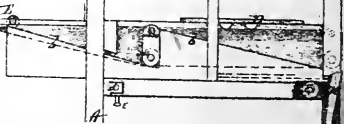


A. VAN PATTEN. 100,694,  
J. F. KELSEY.

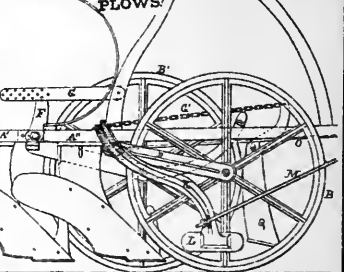
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LOUDUS B. WALKER.  
PLANING-MACHINES.



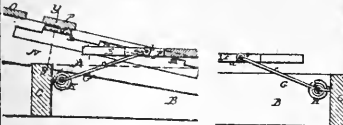
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PLOW.



100,697, ALFRED WEED.  
SELF-CLOSING AUGER STOP-COCKS.

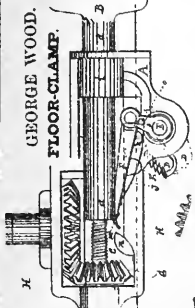


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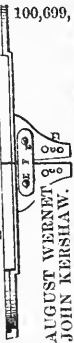


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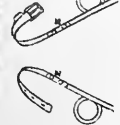
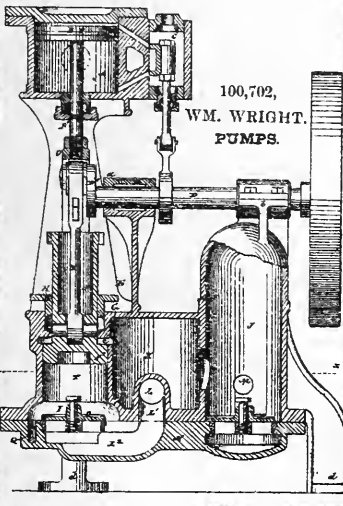
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GEORGE WOOD.  
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CONSTRUCTION OF STOVE-PLATES.

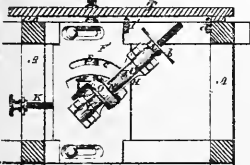
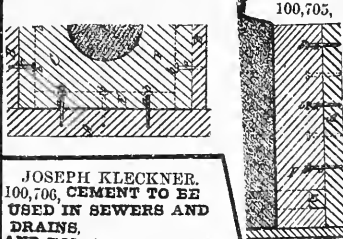
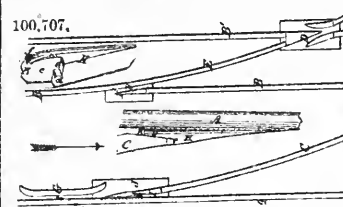
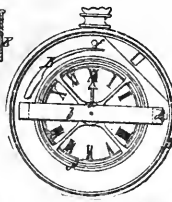
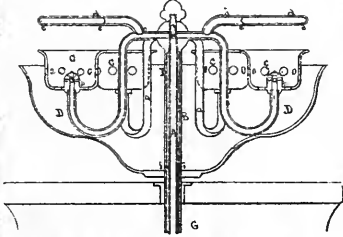
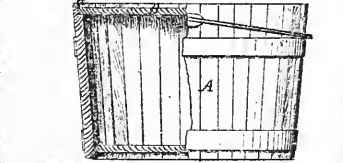
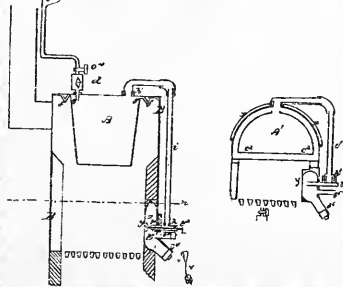
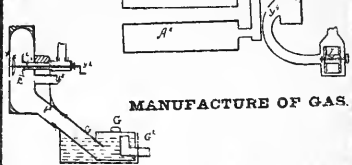
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JOHN KERSHAW.

100,701.

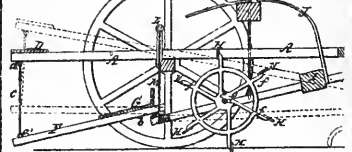
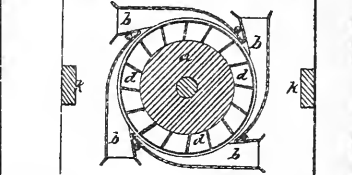
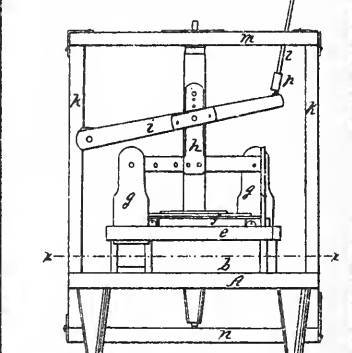
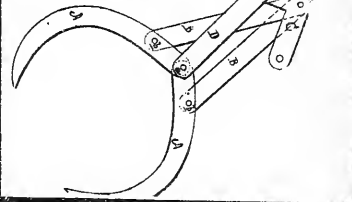
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COLLAR AND HAMES.100,702,  
WM. WRIGHT.  
PUMPS.

100,703, HENRY FOWLER.

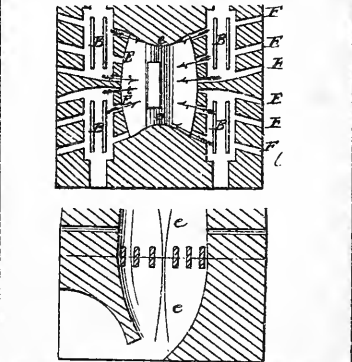
MUFF AND COLLAR-BOX.

100,704, HENRY H. BASHORE.  
DOVETAILING-MACHINE.JOSEPH KLECKNER. CONSTRUCTION  
OF CHIMNEYS AND FLUES.JOSEPH KLECKNER.  
100,706, CEMENT TO BE  
USED IN SEWERS AND  
DRAINS,  
AND FOR CONSTRUCTING  
FLUES AND OTHER PARTS  
OF BUILDINGS.JOSEPH J. SHAEFFER. RAILWAY  
CURTIS C. STEINMETZ. SWITCH.3,869,  
JACOB E. BUERK.  
WATCHMEN'S  
TIME-DETECTORSGUSTAVUS D. DOWS. 3,870,  
CALVIN DOWS. TUMBLER-WASHER  
GEORGE S. CUSHING.3,871, S. F. HESS.  
PACKING-CASE FOR TOBACCO.3,872 W. J. NICHOLS AND A. GRAND  
APPARATUS FOR THE MANUFACTURE  
OF GAS.3,873 W. J. NICHOLS AND  
A. C. RAND

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G. W. COLE. CORN-STALK CUTTERS.  
3,874,W. FOOS. 3,875. WATER-WHEELS.  
JOHN W. BOOKWALTER.3,876.  
JOHN K. O'NEIL.  
HORSE HAY-FORKS

3,877, C. D. PAGE. LIME-KILNS.

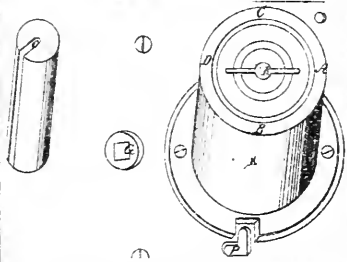
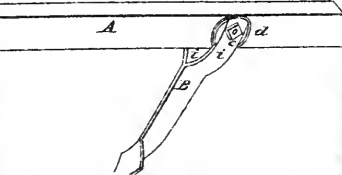
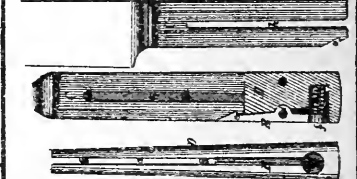
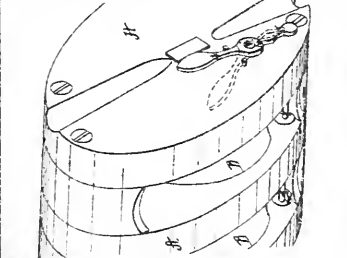
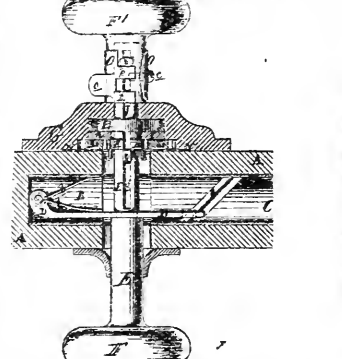
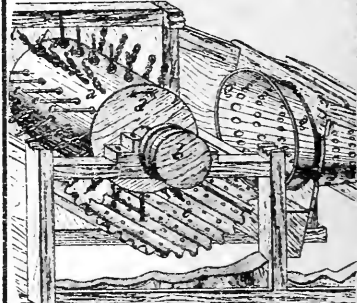
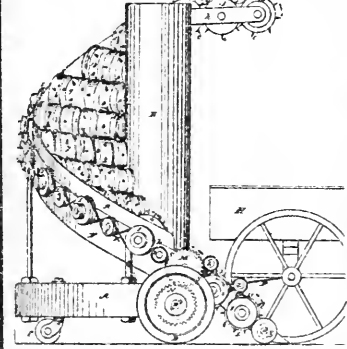
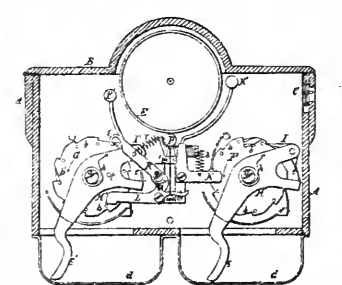
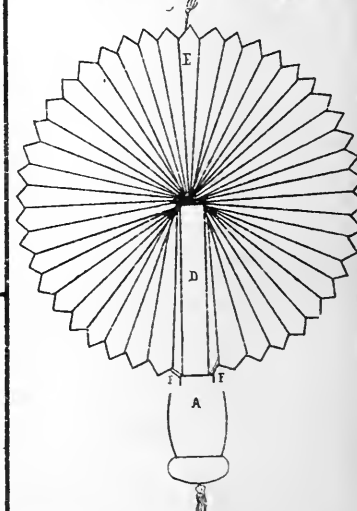


## ILLUSTRATIONS OF PATENTS

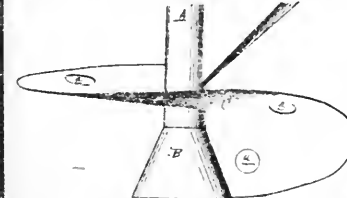
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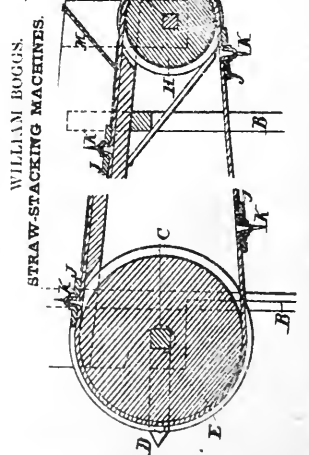
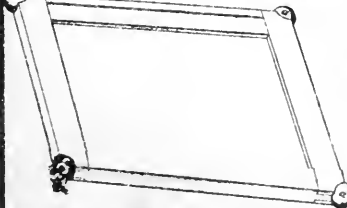
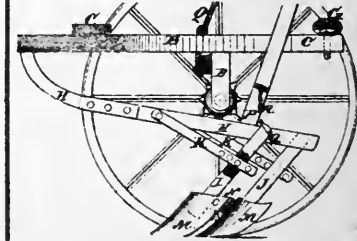
MARCH 15, 1870.

100,708. GEO. B. ALLEN.  
COMBINED LOCK AND LATCH.100,713. SANFORD BECKWITH.  
CULTIVATOR-TEETH.100,717. LEROY BOYNTON. DETACHABLE  
W. F. SWEET.  
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SHIPS' BLOCKS.100,714. S. BENTLEY.  
CHARLES MEE.  
COMBINATION LOCK.100,718. LEVERETT BRAINARD.  
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FOR TREATING PAPER STOCK.100,710. JOHN BACHELDER.  
HAY-LOADER.100,715. F. BLACKBURN AND  
G. W. WOODSIDE. FARE REGISTER.100,719. JOSHUA BROOKS.  
FAN AND PARASOL COMBINED.

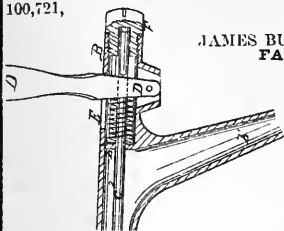
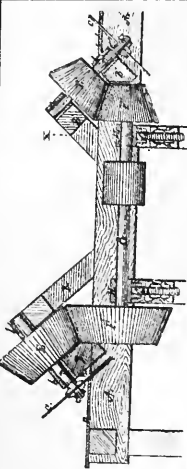
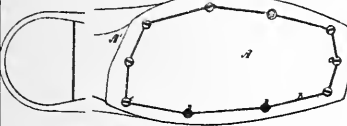
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100,716,

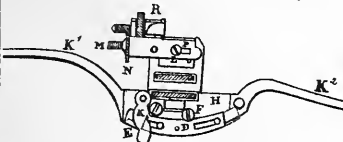
WILLIAM BOGGS.  
STRAW-STACKING MACHINES.100,712. WM. N. BARTHOLOMEW.  
SLATE-FRAMES.100,720. MARTIN BRUNER, JR.  
CULTIVATORS.

100,721,

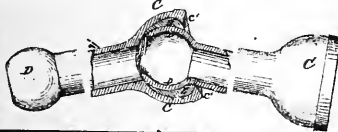
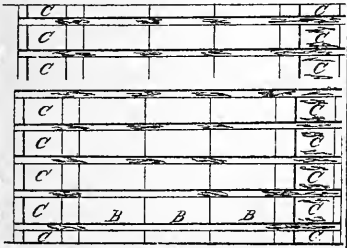
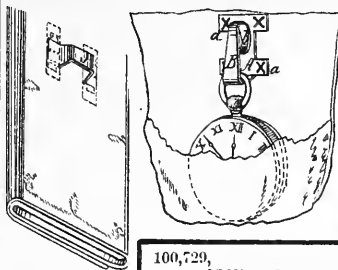
JAMES BULGER.  
FAUCETS.100,722,  
JAMES H. BUTLER.  
MACHINE FOR  
SAWING LATH.100,723, CHAS. S. CHAFFEE.  
A. WAHLIG.METHOD OF SECURING  
SOLES TO BOOTS AND SHOES

100,724, A. B. CLARK.

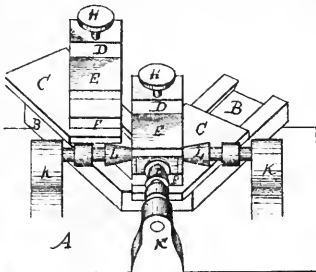
BOOT AND SHOE-SHAVE.

100,725, DECIUS W. CLARK. ENAMEL FOR  
CLAY GAS-RETORTS. BURNERS. TILES.

100,726, ROBT. B. COAR. PIPE-JOINTS.

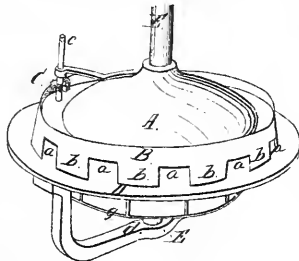
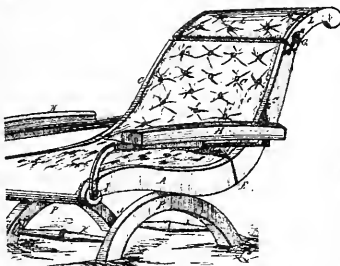
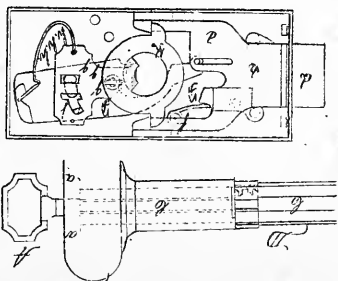
100,727, WILLIAM B. COATES.  
CONCRETE AND WOODEN PAVEMENTS.100,728, HENRY R. S. COLTON.  
SAFETY-ATTACHMENT FOR POCKETS

100,729,

JOHN COMMINS.  
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COMPOUND FOR  
MAKING CONCRETE PAVEMENTS.100,731, RICHARD T. CRANE.  
MACHINES FOR DRILLING  
AND TAPPING GAS-FITTINGS.

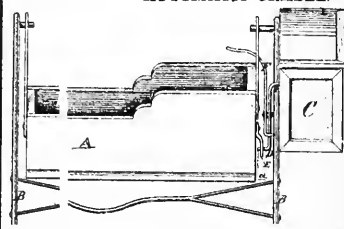
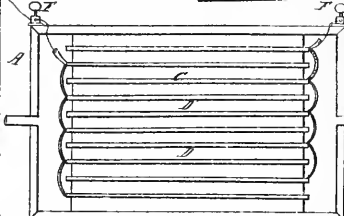
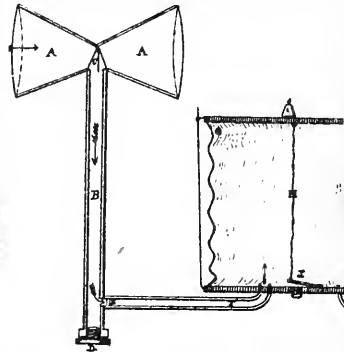
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TURBINE WATER-WHEELS.

100,733, J. C. CRUMMY. FOLDING-CHAIR.  
A. A. PARSONS.100,734, CHARLES L. DEAN.  
COMBINED LATCH AND LOCK.

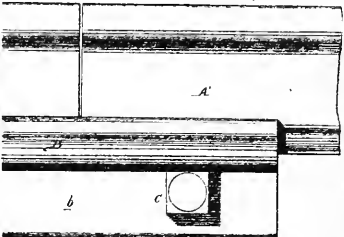
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AUTOMATIC CRADLE.

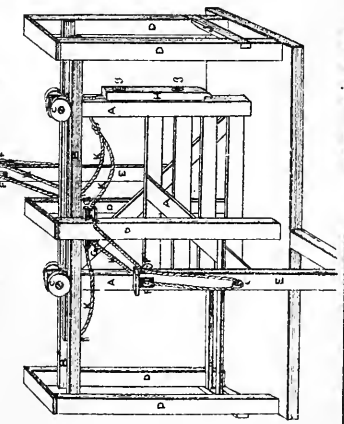
100,736, CLEVELAND F. DUNDERDALE.  
APPARATUS FOR  
THE PRODUCTION OF OZONE100,737, CLEVELAND F. DUNDERDALE  
APPARATUS FOR FORCING AIR INTO  
CARBURETERS ON RAILROAD CARS.

100,738, E. P. DWIGHT.

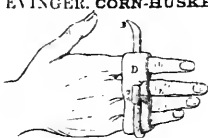
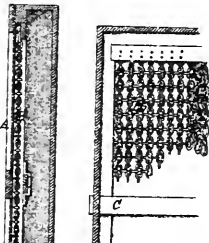
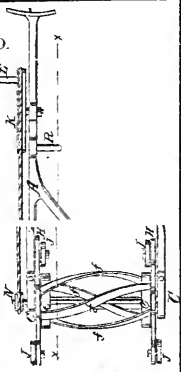
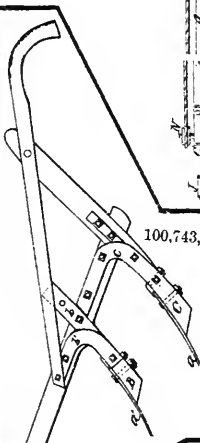
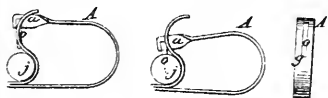
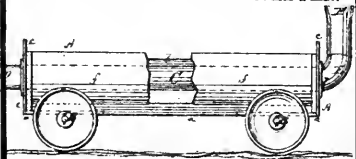
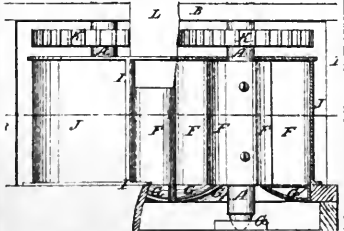
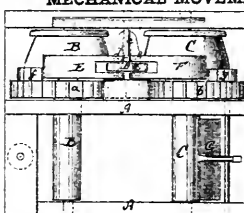
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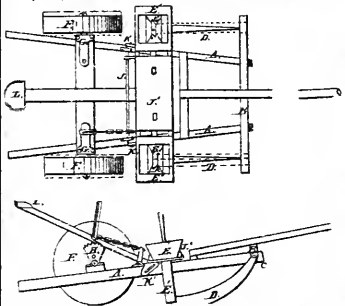
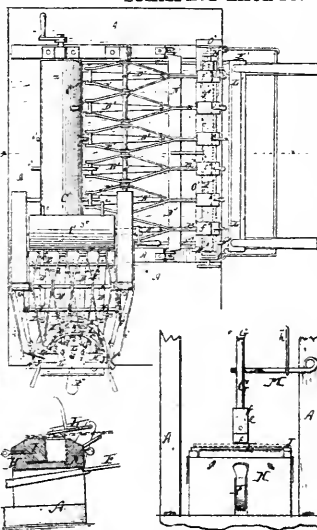
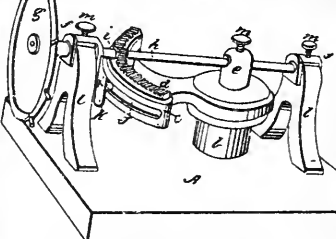
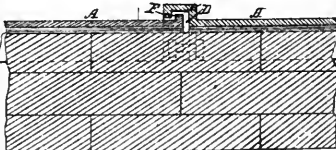
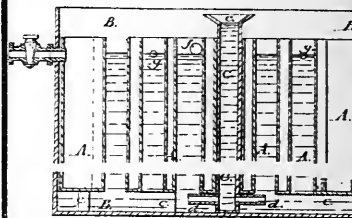
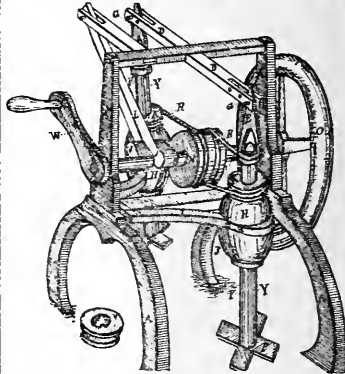
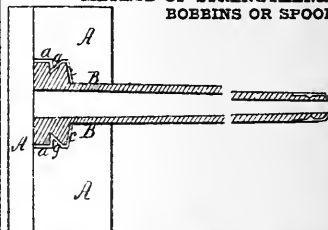
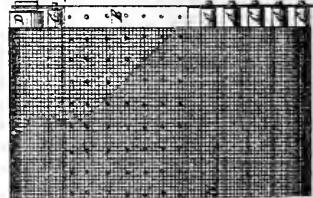
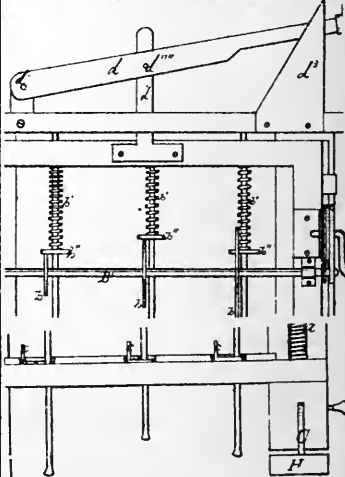
100,739, THOMAS ELLISON. GATES.



100,740, N. EVINGER. CORN-HUSKERS.

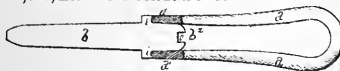
100,741, JON. M. EWING.  
BURGLAR-PROOF SAFES.100,742,  
JOSEPH C. FIELD.  
LAWN-MOWERS.100,743, MIRANDA FORT  
PLOWS.100,744,  
HORACE N. FOSTER.  
CIGAR PIERCER.100,745, HENRY FRANKE.  
GRAVEL-FAN.100,746, JOHN FULLER.  
HERBERT FULLER.  
COMBINATION WATER-WHEELS.100,747, WILLIAM GARRISON.  
MECHANICAL MOVEMENTS.

100,748, WM. GILMAN. CORN-PLANTERS.

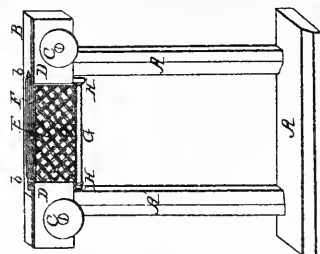
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STAMPING LACE-PAPER.100,750, EBENEZER G. GREEN.  
STEERING-APPARATUS.100,751, JOHN GRINDROD.  
COPING FOR WALLS.100,752, THEODORE GRÜNDMANN.  
APPARATUS FOR COOLING  
BEER AND OTHER LIQUIDS.100,753, EDGAR R. HALL.  
WM. H. TOWN.  
DEVICE FOR OPERATING CHURNS.100,754, ALBERT HALLOWELL.  
METHOD OF STRENGTHENING  
BOBBINS OR SPOOLS.100,755, WM. W. HARDING.  
PAPER-MAKING MACHINERY.100,756, JACOB HART.  
ROCK-DRILLING MACHINES.



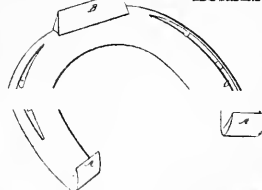
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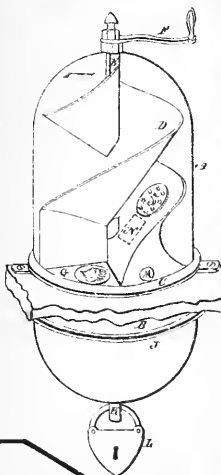
100,763, ROBERT N. HOFFMAN. WINDOW-CORNICE.



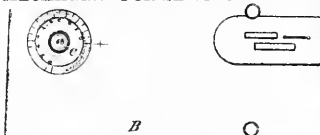
100,768, HIRAM INGRAHAM. HORSESHOES.



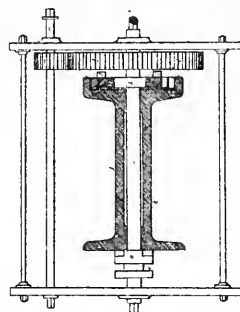
100,758, G. C. HATHORN. FARE-BOXES FOR RAILROAD CARS.



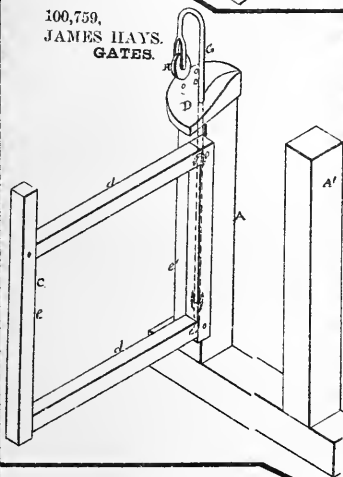
100,764, JAMES A. HOUSE. FEEDING-MECHANISM FOR SEWING-MACHINE.



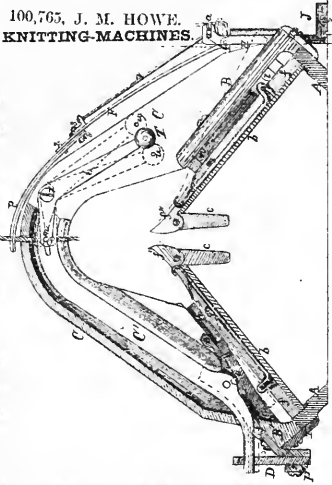
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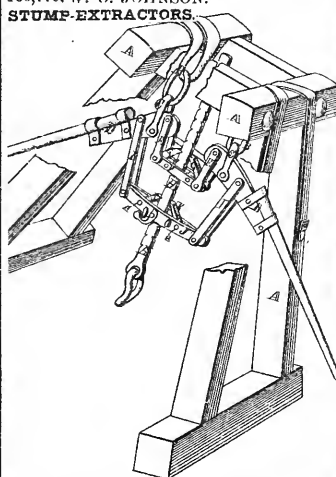
100,759, JAMES HAYS. GATES.



100,765, J. M. HOWE. KNITTING-MACHINES.

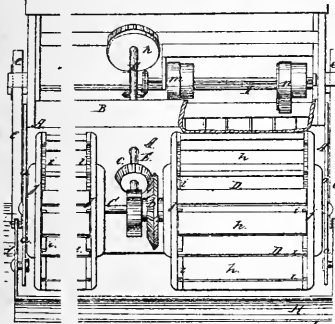


100,770, W. O. JOHNSON. STUMP-EXTRACTORS.

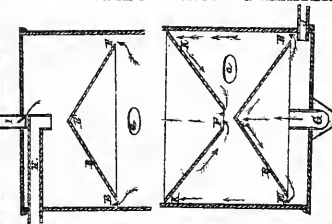


100,760, THOMAS H. HAZARD. MEDICAL COMPOUND FROM CHLORAL.

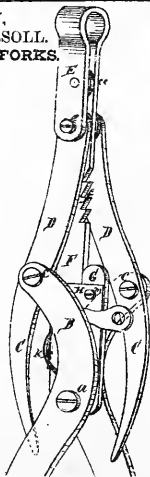
100,761, AUGUST G. HETTMANN. FLOATING-MILL POWER.



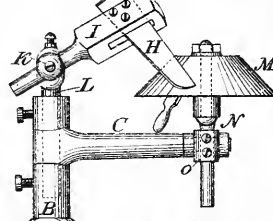
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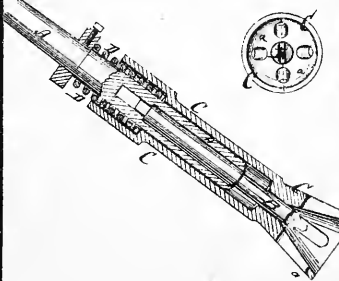
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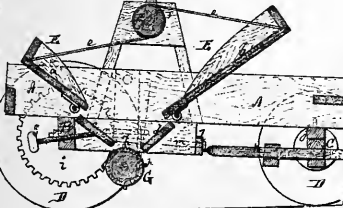
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100,772, DANIEL KELLY. CENTERING-ATTACHMENT FOR LATHE.

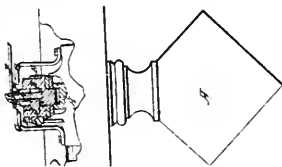


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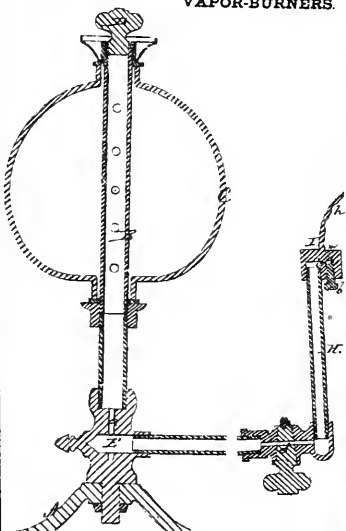




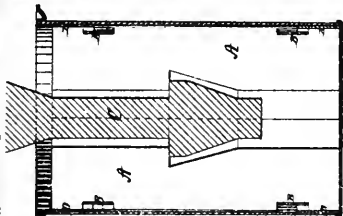
100,773, WM. H. KELLY.  
APPARATUS  
FOR LIGHTING GAS BY ELECTRICITY



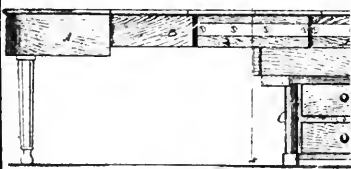
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VAPOR-BURNERS.



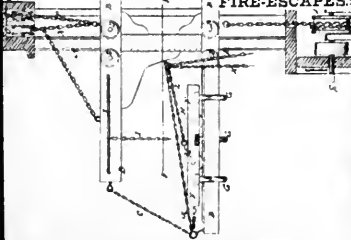
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MACHINE FOR MAKING FRUIT-CANS.



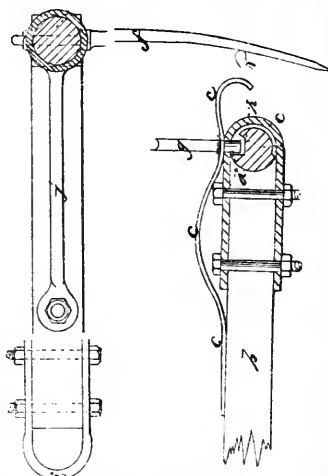
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EXTENSION TABLE



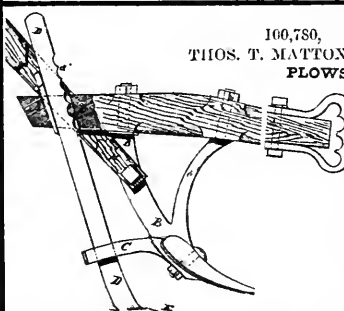
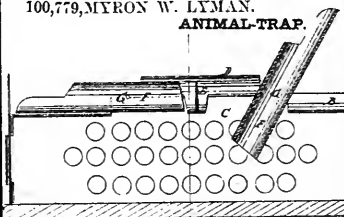
100,777, MICHEL LEWIS.  
JOHN C. SWENSON.  
FIRE-ESCAPES.



100,778, THOMAS F. LONGAKER.  
MACHINE FOR CLEANING STABLES.

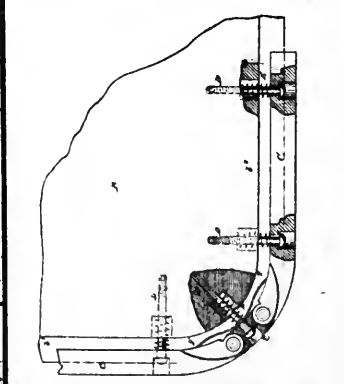


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ANIMAL-TRAP.

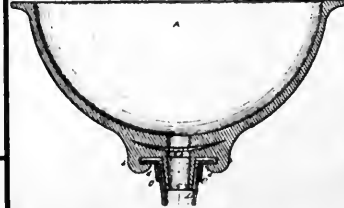


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THOS. T. MATTOX.  
FLOWS.

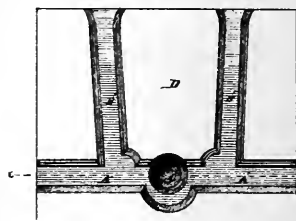
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BURGLAR-PROOF SAFES.



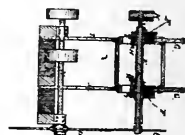
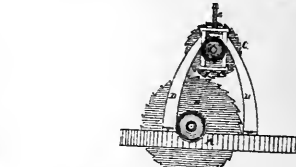
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JOS. H. COATES  
WASTE-PIPE ATTACHMENTS



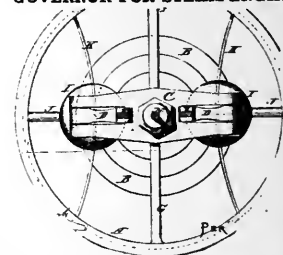
100,783, R. R. MILLER.  
DIE FOR FORMING PERCH-PLATES



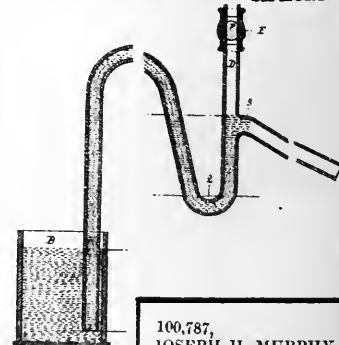
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A. G. WALDO.  
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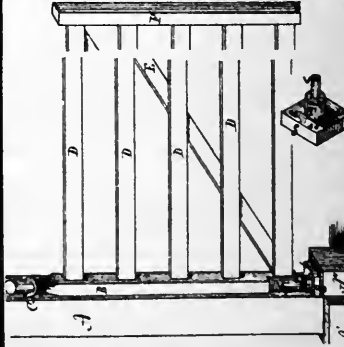
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100,786, SOLOMON S. MOYER.  
SIPHONS.

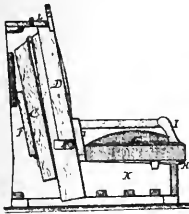


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JOSEPH H. MURPHY.  
PATRICK J. MURPHY.  
FARM-GATES

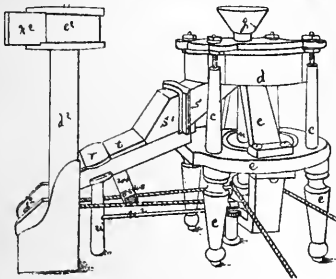


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PREVENTING THE  
STEALING OF BONDS**

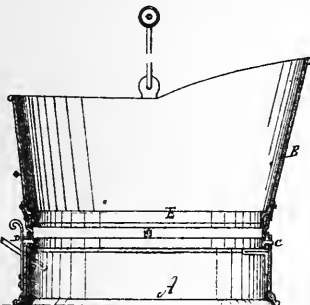
100,789, JOHN NEEDHAM. **SOFA BED.**



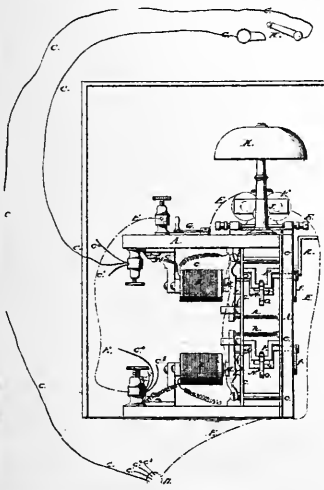
100,790, THOMAS NELSON.  
**BUCKWHEAT-HULLING MACHINES**



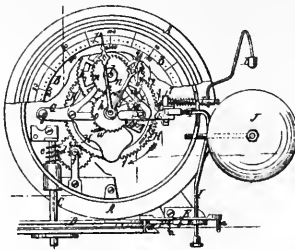
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REUBEN WEAVER.  
**SCREEN COAL-HOD.**



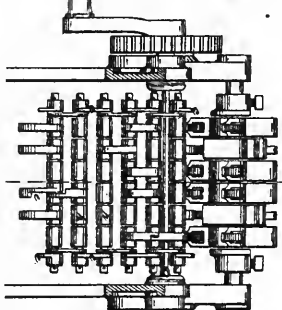
100,792, CHAS. S. NOE.  
**HOTEL AND BURGLAR-ALARM**



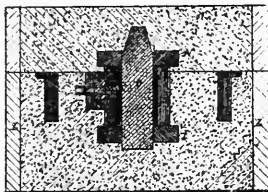
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**SPOOLING-GAUGE.**



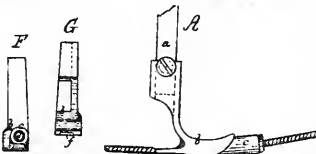
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**TAPPET-CHAIN FOR LOOM.**



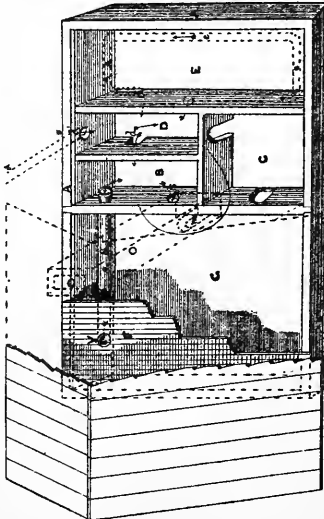
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**COAL-CAR AND TRUCK-WHEELS**



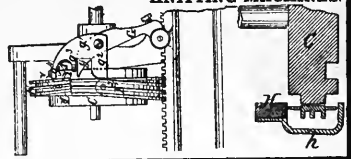
100,796, WILLIAM W. PETTEE.  
**PRESSER-FOOT FOR SEWING-MACHINE**



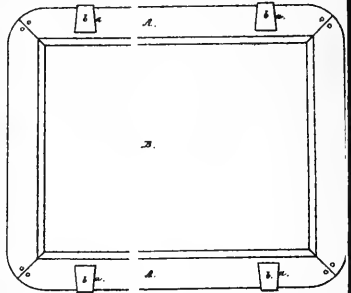
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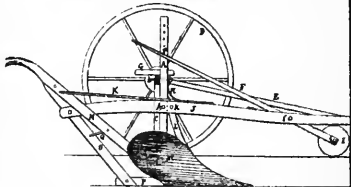
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**KNITTING-MACHINES.**



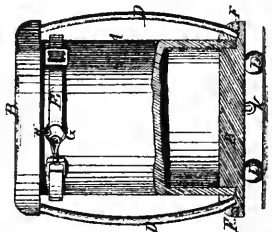
100,799, GEORGE EDWIN POOR.  
**WRITING-SLATES.**



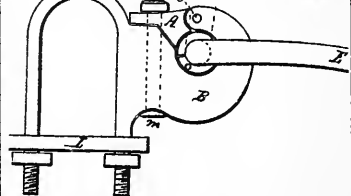
100,800, A. E. PORTER.  
A. L. PORTER.  
**RIDING-ATTACHMENT FOR PLOW.**



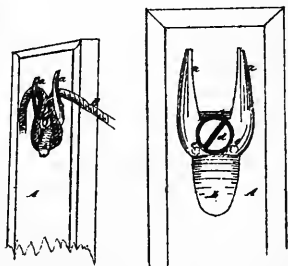
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**LIFE-PRESERVING STOOLS**



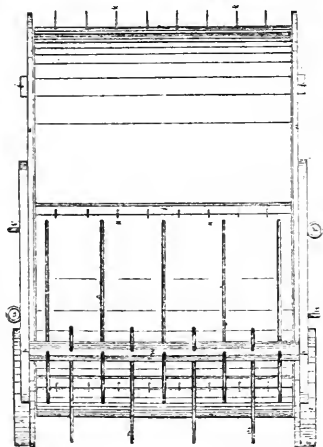
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**THRILL-COUPPLINGS**



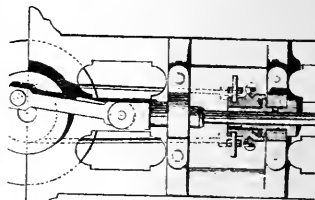
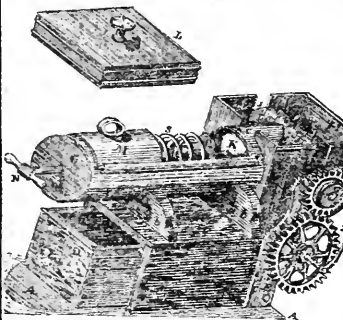
100,803, JNO. C. RANKIN.  
**CLOTHES-LINE HOLDER**



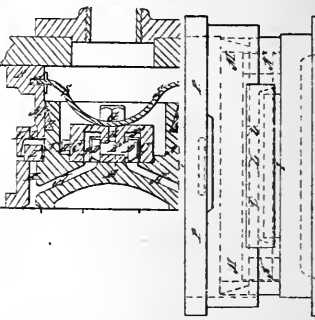
100,804. GEO. H. REISTER.  
HAY-RAKERS AND LOADERS.



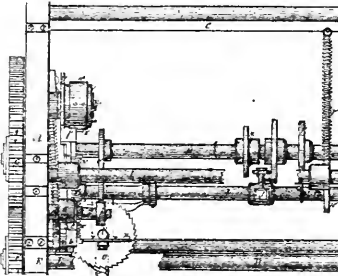
100,809. LEONHARD SCHMIDT. GRATER



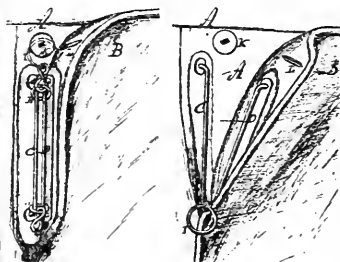
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STEAM-ENGINE SLIDE-VALVES.



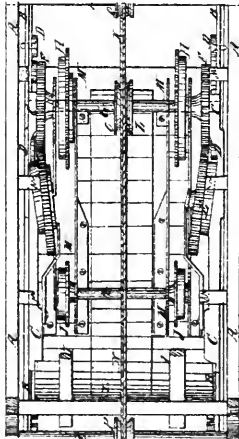
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KNITTING-MACHINES.



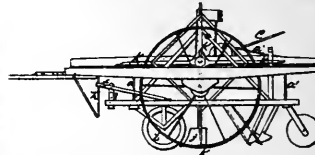
100,805. FRED. L. ROELL.  
SAFETY-ATTACHMENTS FOR POCKETS.



100,811. THOS. B. SIMONTON.  
INCLINE-PLANE ELEVATOR.



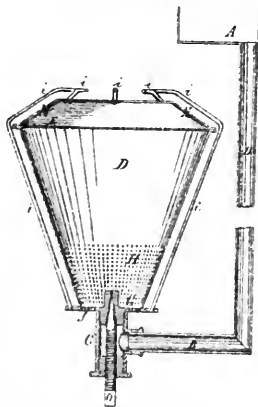
100,815. WILLIAM STIRK.  
COMBINED CORN-MARKER,  
PLANTER, AND CULTIVATOR.



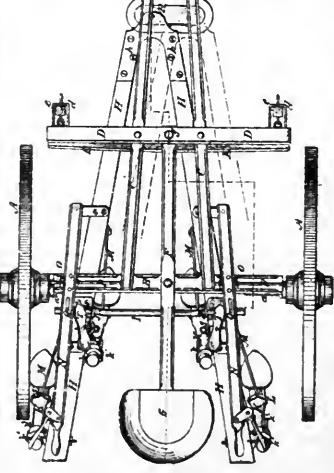
100,806. JOHN ROOT. PAPER BOX.



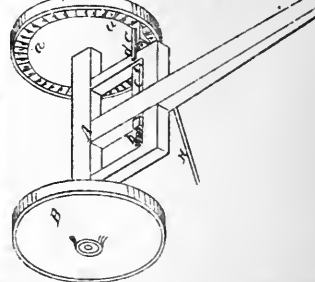
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FOR COOKING OR HEATING.



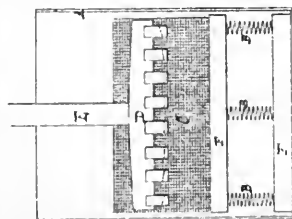
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CULTIVATORS.



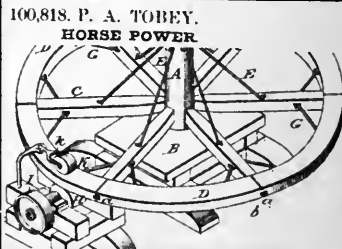
100,817. PRESTON A. TOBEY.  
HARVESTERS.



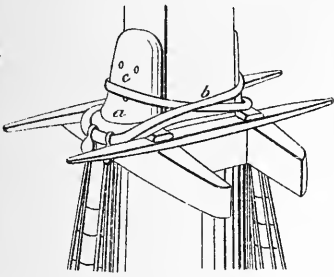
100,808. E. B. SCATTERGOOD.  
WASHING-MACHINE.



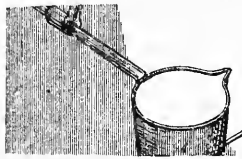
100,813. JAMES SKIPP.  
MORTISING MACHINE.



100,819, HENRY TOWNSEND.  
CHEEK-PIECES AND SHROUD-YOKES  
FOR SHIPS' RIGGING



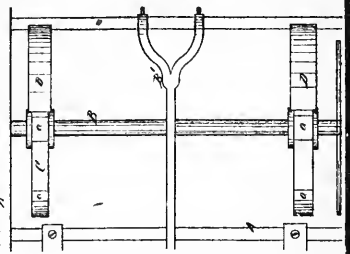
100,826, ALBERT S. WELLS.  
LADLES FOR POURING METALS



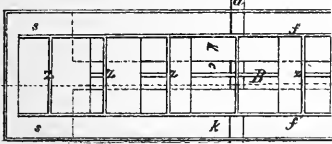
100,827, GEO. WHITEBECK, HORSE-POKES.



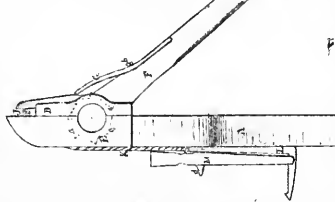
100,834, JOHN R. ADAMS.  
TRACK-LAYING MACHINE.



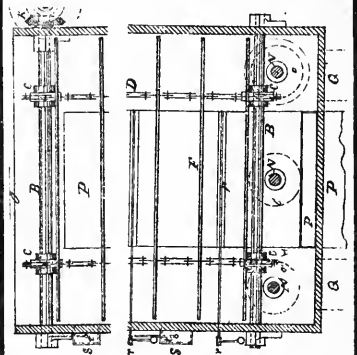
100,820, BENJAMIN W. TUCKER.  
PADDLE-WHEELS.



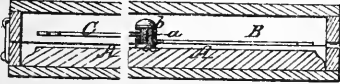
100,828, F. C. WHITE.  
LIFTING-JACKS



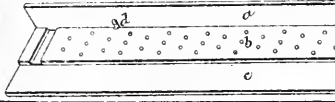
100,835 CHARLES ALDEN. APPARATUS  
FOR DRYING AND EVAPORATING.



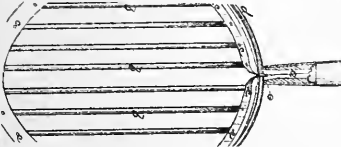
100,821, H. P. TUTTLE.  
HAND INDICATOR FOR  
SHOWING THE COURSE OF VESSELS



100,829, JOHN H. WHITNEY.  
SLUICE-BOXES FOR GOLD-MINING.



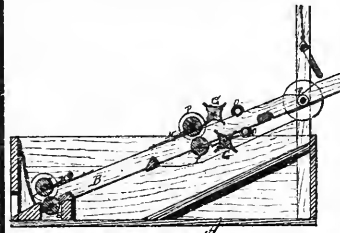
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VEGETABLE-SCOOP.



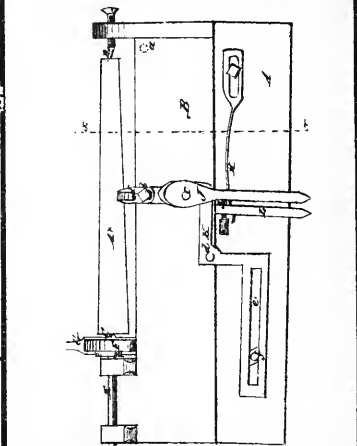
100,830, JOSEPH WHITTINGHAM.  
REVERSIBLE KNOB-LATCHES.



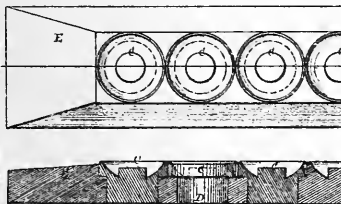
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APPARATUS FOR WASHING  
AND ELEVATING LUMBER



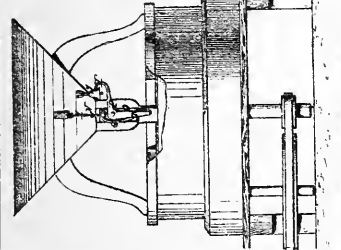
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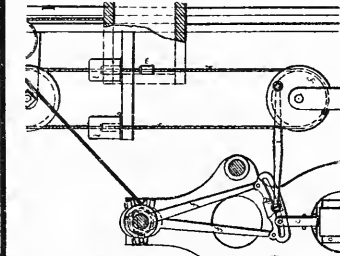
100,823, SAMUEL VANSTONE.  
DIE FOR MAKING CLINCH-RINGS



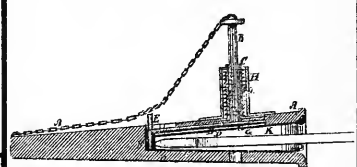
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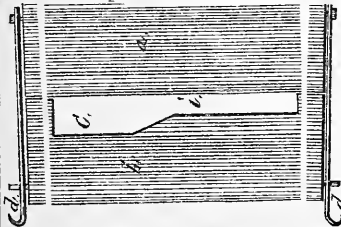
100,832, MARTIN L. WYMAN. ELEVATOR.



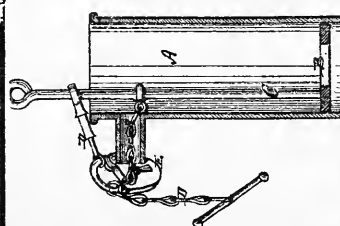
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RAILWAY-CAR COUPLING.



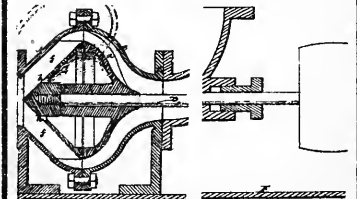
100,825, W. M. WATSON.  
DIE OR FORMER FOR MAKING  
DOUBLE-SHINNED MOLD-BOARD BLANKS  
FOR FLOWS

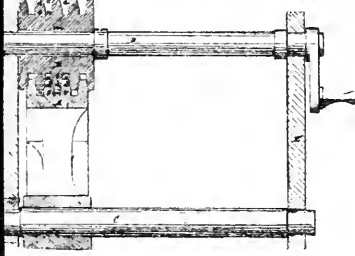
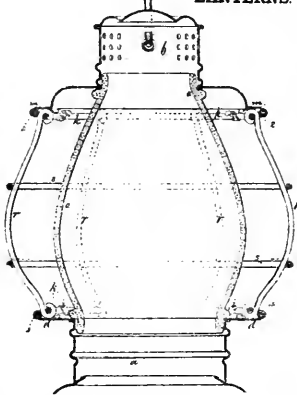
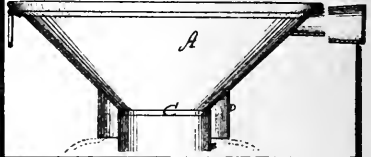
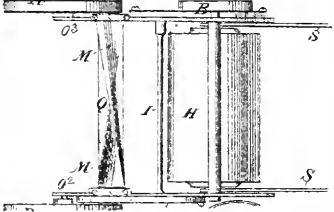
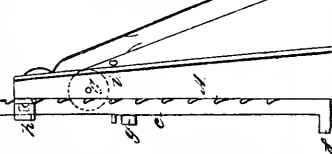
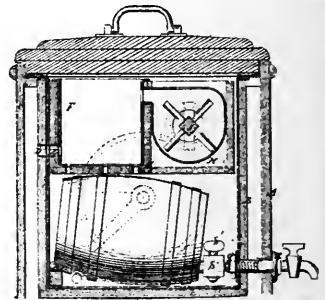
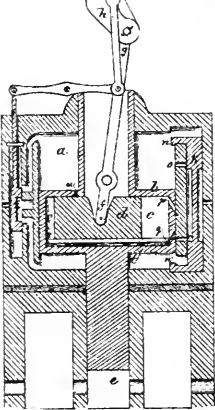
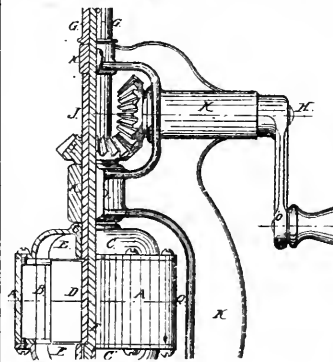
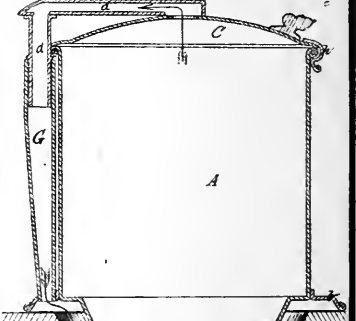
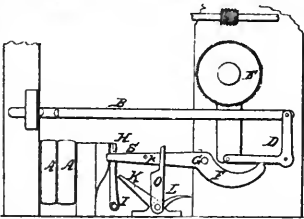
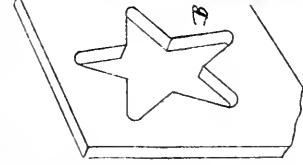
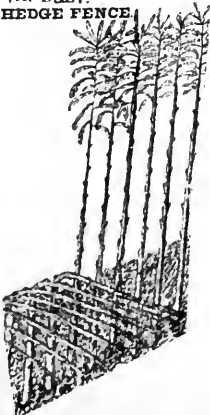
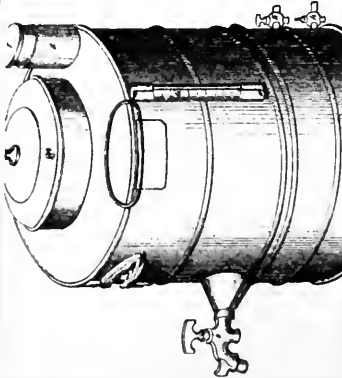
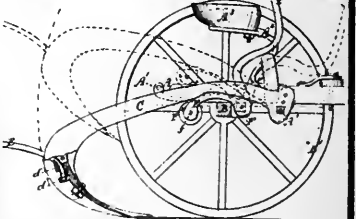
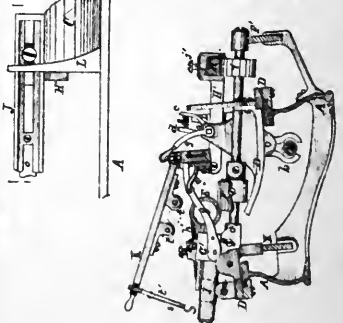


100,833, A. G. ZIESING.  
LOCKS FOR SHIPS' PUMPS



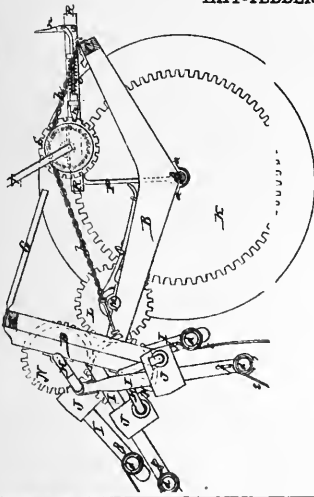
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CENTRIFUGAL PUMPS.



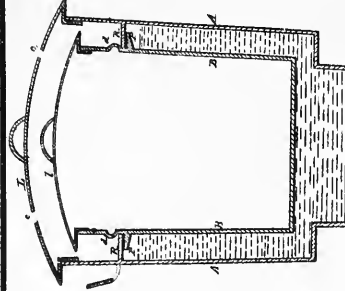
100,839, WM. D. ANDREWS.  
FRICTION-WHEELS FOR GEARING100,845, WILLIAM J. BERRY.  
LANTERNS.100,850, GEORGE E. BRINKERHOFF  
CIGAR-SHIELD.100,851, N. L. BRUNDAGE.  
B. DOWNING.  
FUNNEL CAN-FILLERS.100,840, JOSEPH ARBEITER.  
LAWN-MOWERS.100,846, L. J. BLADES.  
JNO. MAHONEY.  
LIFTING-JACK.100,852, E. C. BUNDY.  
PORTABLE BEER-COOLER.100,841, JOHN S. BARDEN.  
STEAM-ENGINES.100,847, HORACE BOARDMAN.  
STEAM-ENGINE GOVERNORS.100,853, FERDINAND M. CARNES.  
CULINARY BOILER.100,842, JOSEPH BARON.  
BELT-SHIPPING  
MECHANISM FOR SPINNING-JACKS.100,848, MYRON T. BOULT.  
CARVING WOOD100,843, A. BELT.  
HEDGE FENCE.100,844, WILLIAM BERREY.  
DETERGENT COMPOUND.100,849, LOUIS BRAUER.  
APPARATUS FOR MAKING  
EXTRACTS AND DECOCTIONS FROM  
COFFEE, TEA, AND OTHER  
SUBSTANCES.100,854, HENRY C. CARR.  
POTATO-DIGGER.100,855, J. CHASE.  
WOOD-TURNING LATHE.



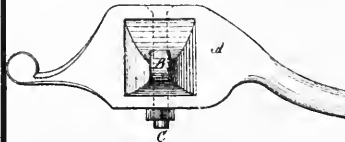
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GEORGE M. CLARK.  
HAY-TEDDERS.



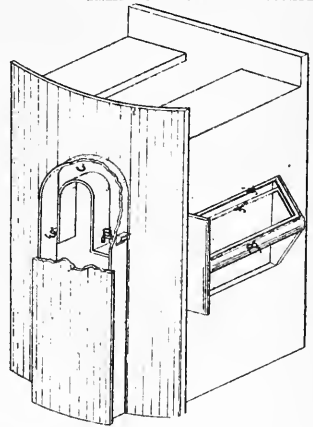
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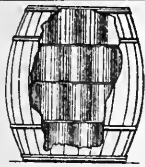
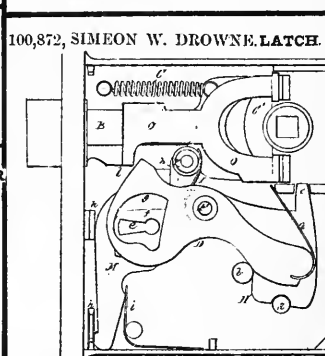
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BODY-LOOP FOR CARRIAGES.



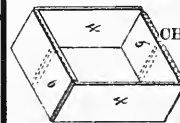
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RAILROAD-CAR VENTILATOR.



100,871, JUAN YSIDRO DIAZ.  
MANUFACTURE OF FERTILIZERS.

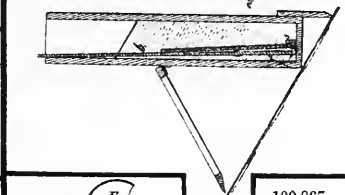


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W. J. CLARK.  
EGG-CARRIERS.



100,865,  
CHAUNCEY O. CROSBY.  
PAPER BOX.

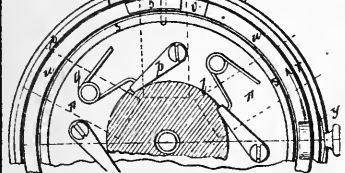
100,866, DANIEL H. CROSS.  
PHOTOGRAPHIC-PLATE DIPPER.



100,858, WEBSTER M. CLAYTON.  
STAIR-RODS.



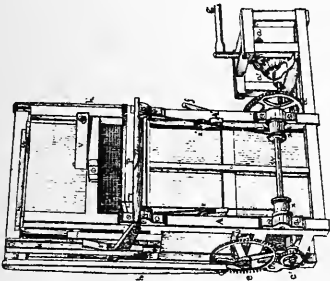
100,859, D. N. B. COFFIN, JR. CAPSTANS.



100,860, CHARLES COLE.  
RAILWAY-CAR AXLES.



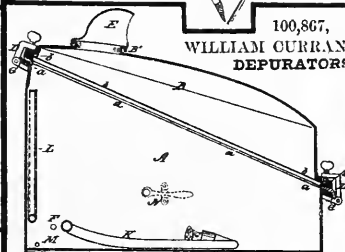
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G. F. COLE.  
HAY AND COTTON-PRESSES.



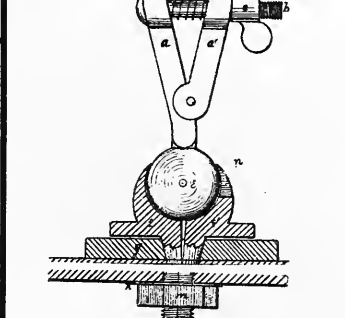
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ORANGE-KNIFE.



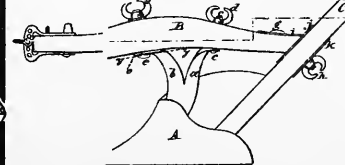
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WILLIAM CURRAN.  
DEPURATORS.



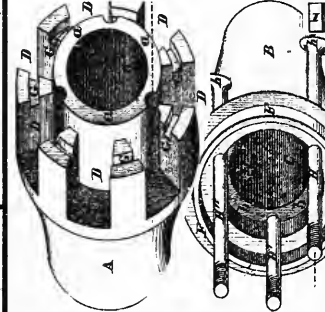
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ROYAL J. CUSHING.  
VISE.



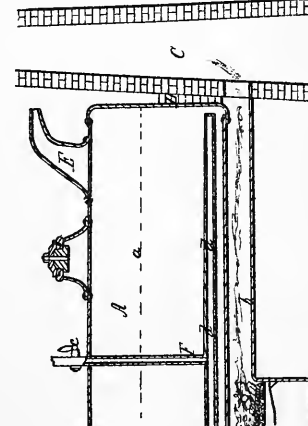
100,869, M. K. DAHL. FLOWS.



100,872, JACOB DUMP.  
CARRIAGE-WHEEL HUBS.

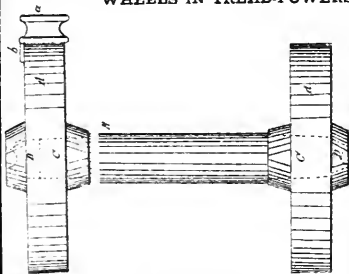


100,873, J. B. EDWARDS.  
STILLS FOR DISTILLING  
HYDROCARBONS.



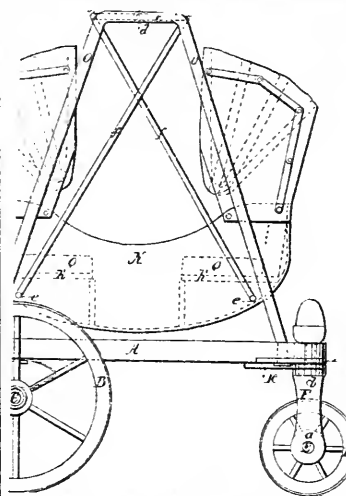


100,875 STEPHEN D. ELY.  
MODE OF LUBRICATING THE  
WHEELS IN TREAD-POWERS

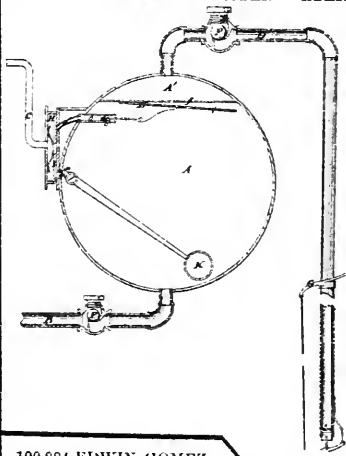


100,876, ALONZO FARRAR.  
PROCESS OF TREATING ACID  
RESIDUUM FROM OIL-REFINERIES

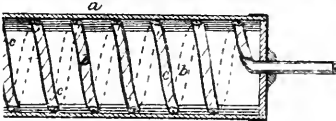
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COMPOSITION, TO BE USED FOR  
PRINTING OR PAINTING ON SURFACES



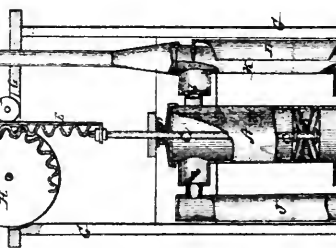
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AUTOMATIC BOILER-FEEDER



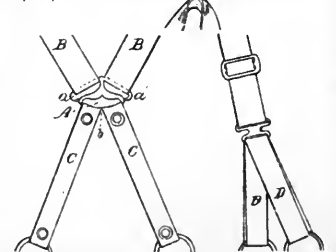
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TORPEDOES AND CARTRIDGES



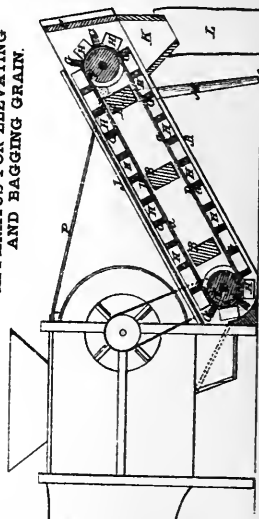
100,885, DANIEL J. GORTON. PUMPS.



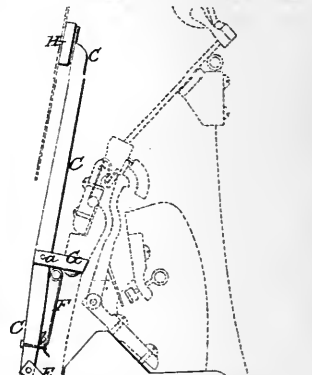
100,886, B. J. GREELY. SUSPENDERS.



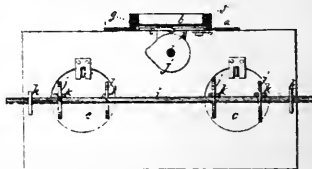
100,887, JOHN S. HASBROUCK.  
APPARATUS FOR ELEVATING  
AND BAGGING GRAIN.



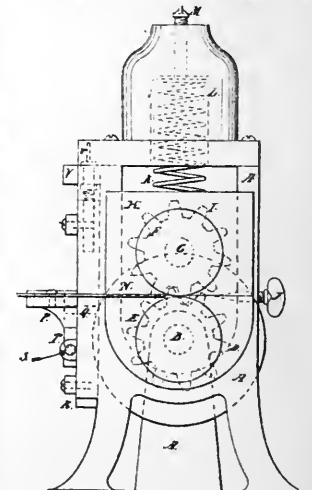
100,888, A. H. HASTINGS.  
DAMPER FOR PIANO-FORTES.



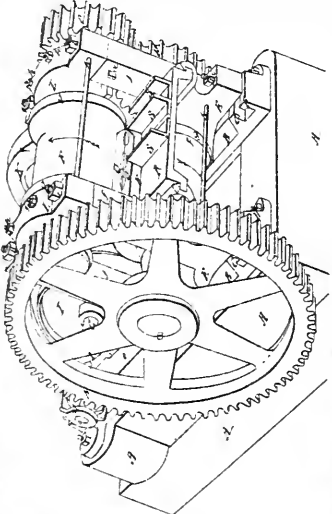
100,889, CORNELIUS E. HAYNES.  
PACKING APPARATUS.



100,890, CHARLES H. HELMS.  
LEATHER-SCARFING MACHINES.

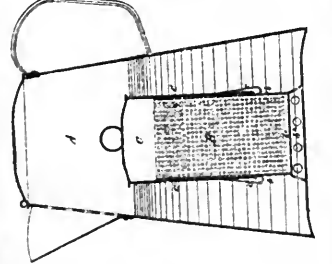


100,878, JEROME FASSLER.  
MACHINE FOR MANUFACTURING  
HARVESTER-GUARD FINGERS



100,879,  
W. B. FIELD.  
BURROUGHS BEACH  
NEEDLE-CASES.

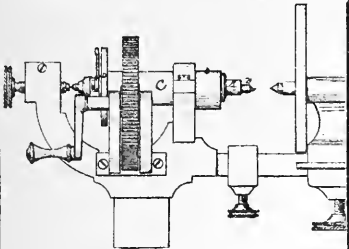
100,880, JAMES F. FITCH.  
B. G. DEVOE.  
R. W. B. McLELLAN.  
COFFEE-POT



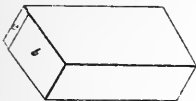
100,881, CHRISTIAN FLAMMER.  
PROCESS OF MAKING GLASS  
SIGNS, SHOW-CARDS, &c.

100,882, WILLIAM H. FLANIGAN.  
COMBINED CARRIAGE, CRADLE,  
SWING, AND BABY-WALKER

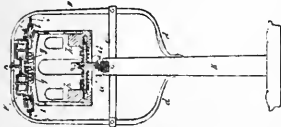
100,891, H. H. HESKETT. LATHES FOR SETTING JEWELS IN TIME-PIECES.



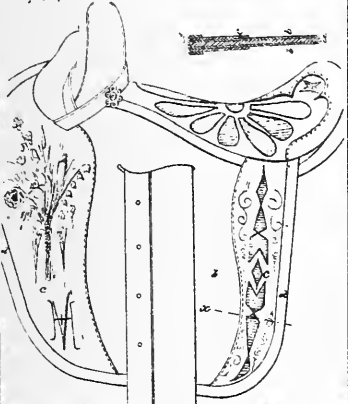
100,892, GEO. S. HEWITT. MANUFACTURE OF BRICKS.



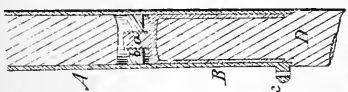
100,893, BENJ. L. HOOD, HENRY O. HOOD, EZRA W. CLARK, JR. ELEVATED RAILWAY.



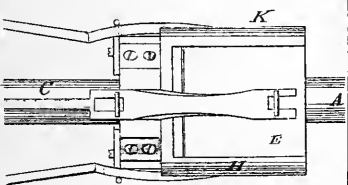
100,894, GEORGE HORTER. SADDLES.



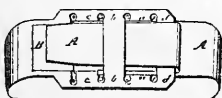
100,895, WILSON J. HUBBARD. JOINTS FOR FISHING-RODS.



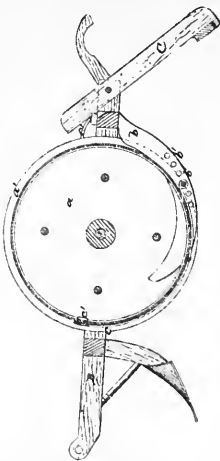
100,896, F. R. HUNT. PIPE-COUPLING FOR HEATING AND VENTILATING RAILROAD CARS.



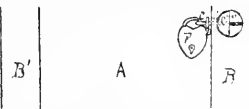
100,897, F. R. HUNT. PACKAGE BAND AND FASTENER.



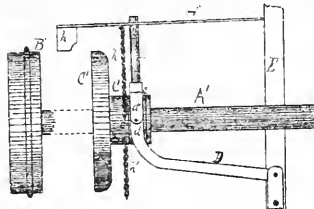
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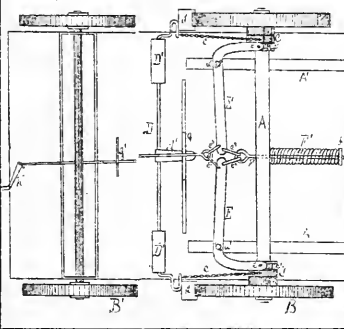
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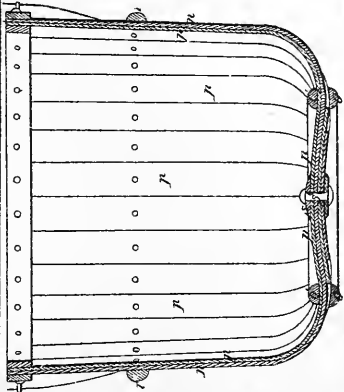
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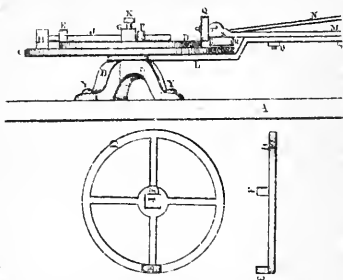
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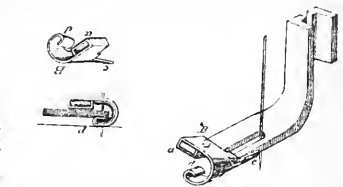
100,902, HORACE C. JONES. MANUFACTURE OF STAVE BASKETS.



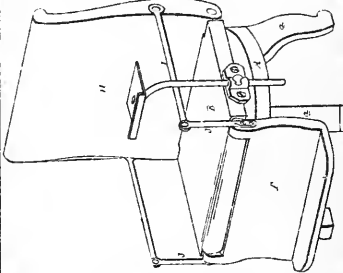
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100,904, AMASA C. KASSON. BINDING ATTACHMENT FOR SEWING-MACHINE.



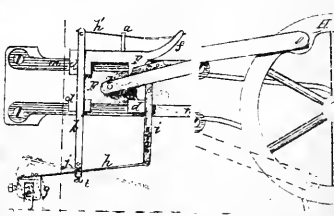
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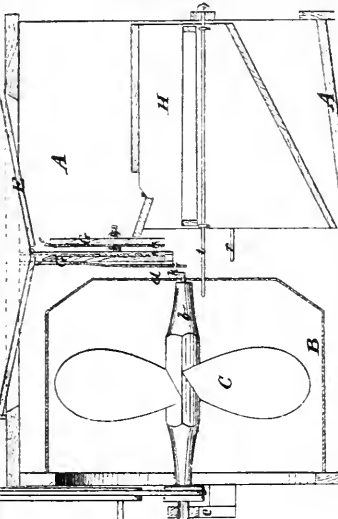
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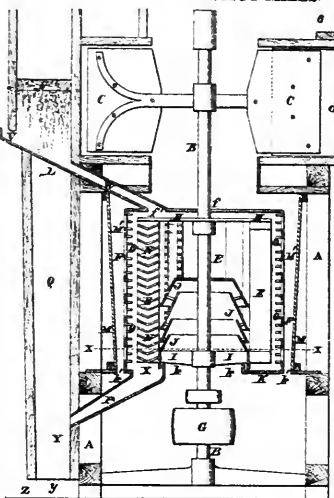
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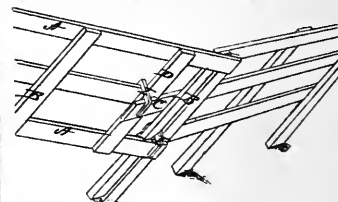
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FANNING AND SMUT-MILL.



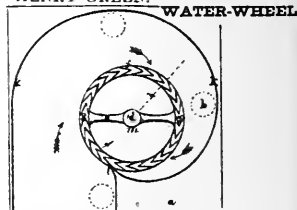
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SMUT-MILLS



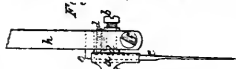
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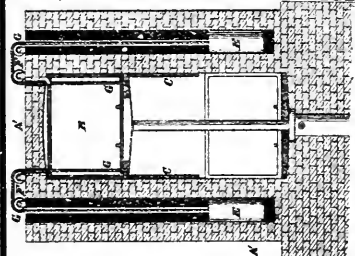
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HENRY GREEN.



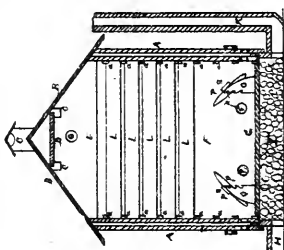
100,909, T. A. MACAULAY.  
NEEDLE-ADJUSTING BLOCK FOR  
SEWING-MACHINES



100,910, NEIL MACNEALE. DRAW-BRIDGE



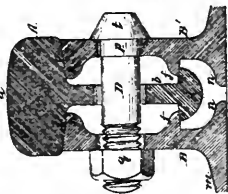
100,914, JAMES B. MAY. FRUIT-DRIER



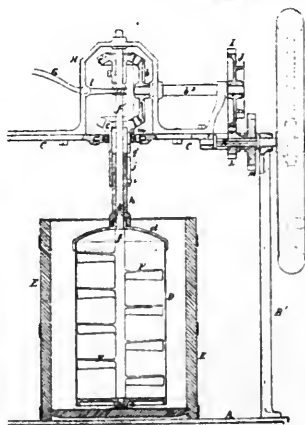
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PRODUCTION OF LIGHT FROM HEAVY  
HYDROCARBONS.

100,916, PHILEMON MERRYMAN.  
PUDDLING PROCESS FOR  
MAKING WROUGHT IRON.

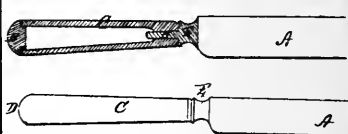
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RAILWAY RAILS.



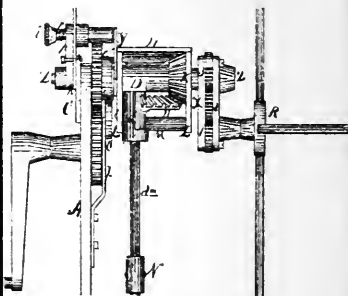
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GEO. M. MILLS.  
ICE-CREAM FREEZER.



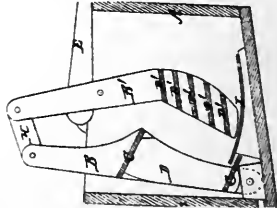
100,921, J. H. NICHOLS.  
W. M. BOWER.  
HANDLES FOR TABLE CUTLERY.



100,922, AARON PALMER.  
CHAS. W. PALMER.  
HARVESTER-RAKES.



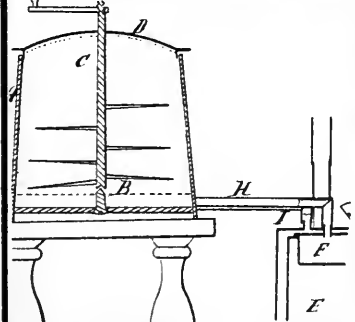
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WASHING-MACHINE



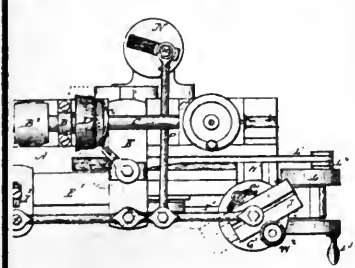
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MODE OF PRODUCING  
PHOTO-LITHOGRAPHIC TRANSFERS.



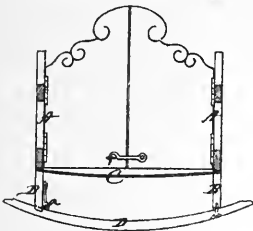
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FEATHER-WASHER AND DRIER.



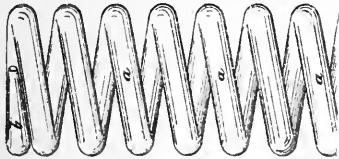
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MACHINE FOR SPINNING SHEET METAL



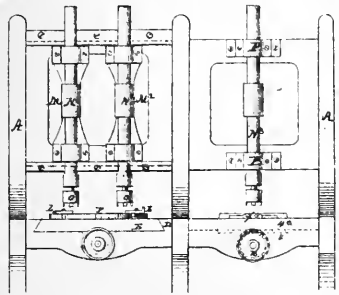
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FOLDING CRIB AND CRADLE.



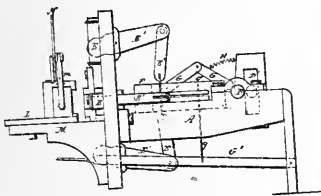
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SPIRAL SPRINGS FOR RAILWAY CARS.



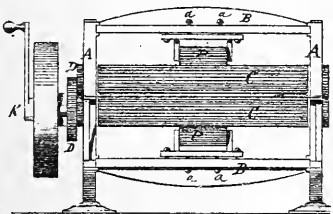
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FOR PREPARING WOOD FOR INLAYING.



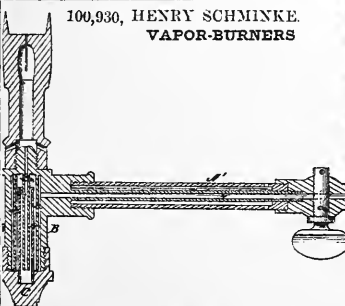
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MACHINE FOR HEADING BOLTS.



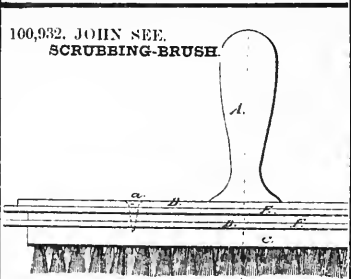
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CORRUGATING SHEET METAL.



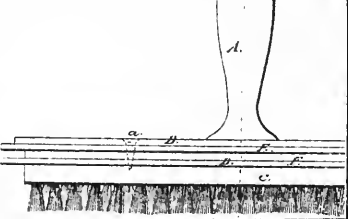
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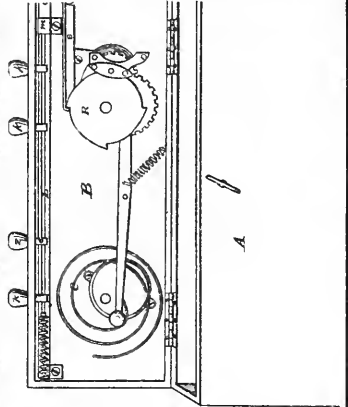
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CATARRH REMEDY OR SNUFF.



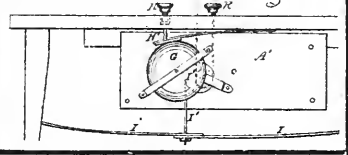
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SCRUBBING-BRUSH.



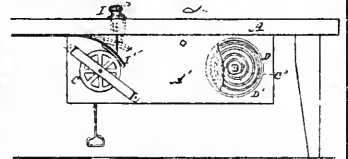
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BURGLAR-ALARMS.



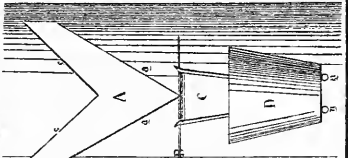
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FOR OPERATING SEWING-MACHINES.



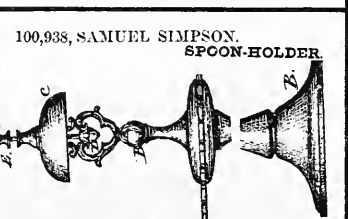
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MECHANISM FOR DRIVING SEWING  
MACHINES.



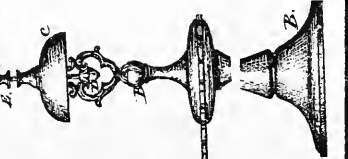
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TURPENTINE FROM PINE-TREES.



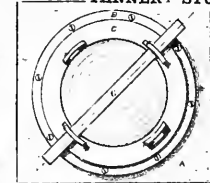
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METALLIC ALLOY TO IMITATE  
THE PRECIOUS METALS.



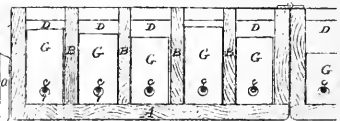
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SPOON-HOLDER.



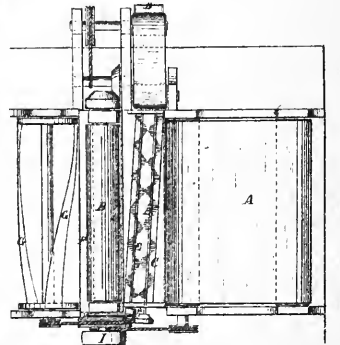
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MAN-HOLE PLATE FOR  
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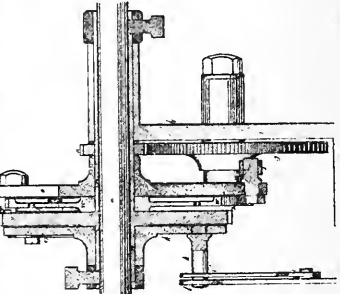
100,940, JOSEPH T. SMITH.  
RAILROAD CONDUCTORS' TICKET-CASES.



100,941, THOS. S. SMITH.  
CORN-HUSKERS.



100,942, H. D. SNOW.  
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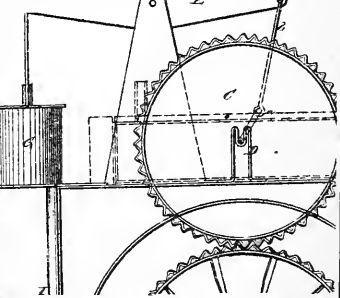
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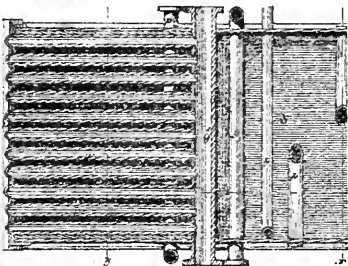
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CEMENT FOR ARTIFICIAL STONE.

100,945, S. SOREL. MANUFACTURE OF  
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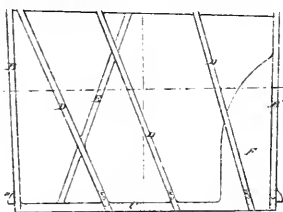
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CURRENT-WHEELS AND CONDENSING  
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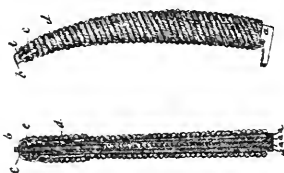
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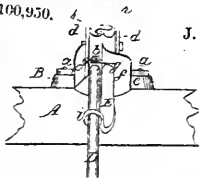
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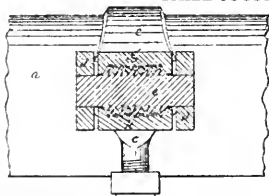
100,949, LOVITT STIMSON. WRAPPING  
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100,950, J. C. STODDARD.  
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100,951, CHAUNCEY THOMAS.  
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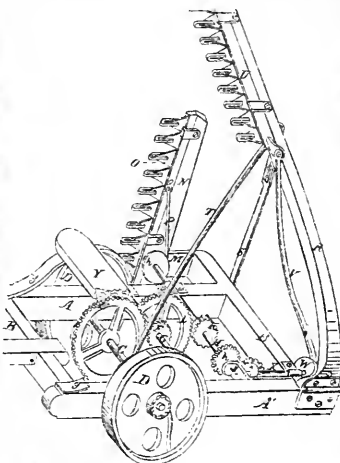
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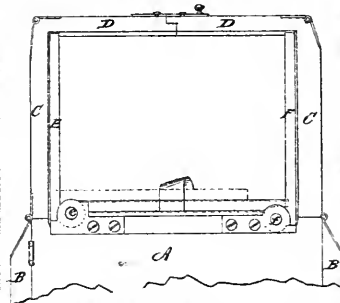
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100,954, A. VAN CAMP.  
M. M. HODGMAN.  
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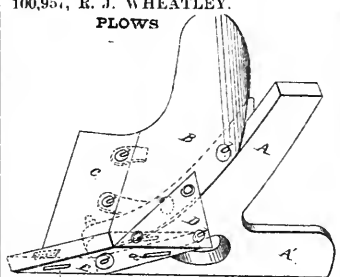
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GEO. WADDINGTON. COMBINED  
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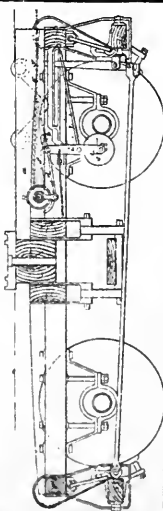
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LANDAU CARRIAGE-DOORS



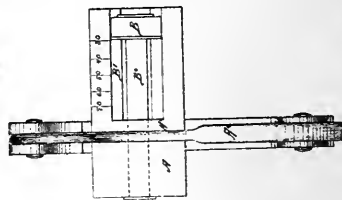
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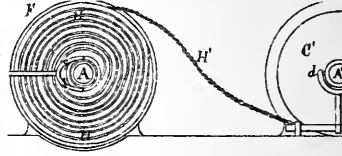
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JOHN CLARK.  
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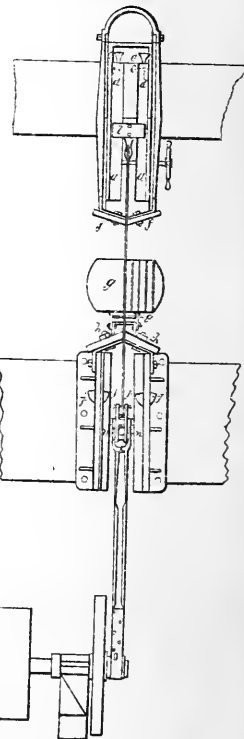
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GAUGE FOR TOBACCO-CUTTERS



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CAR BRAKE AND STARTER



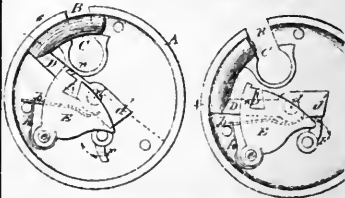
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SAW-MILLS



3,879,  
IRA T. PAYNE.  
AUGERS



3,880, FREDERICK EGGE  
PADLOCKS

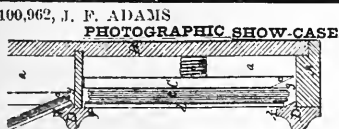
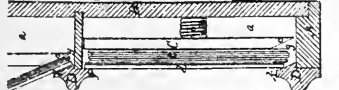
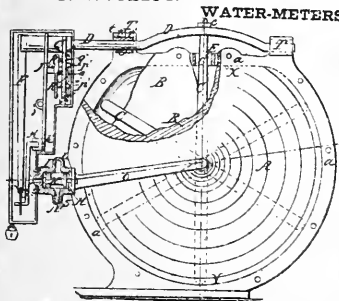
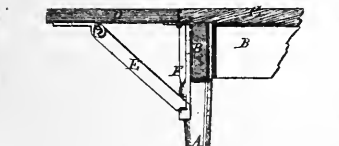
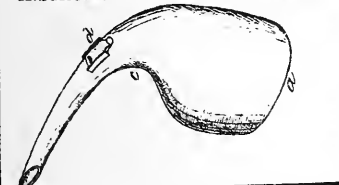
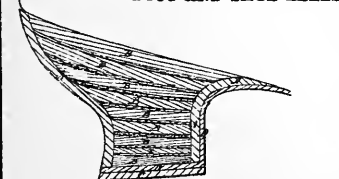
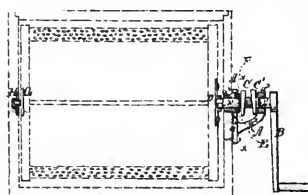
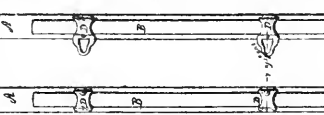
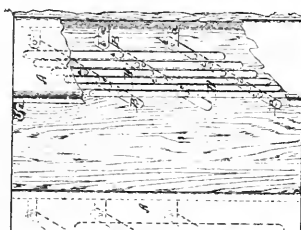
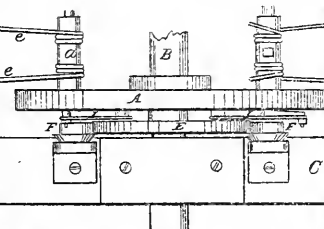
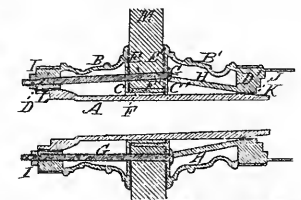
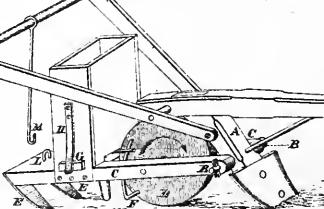
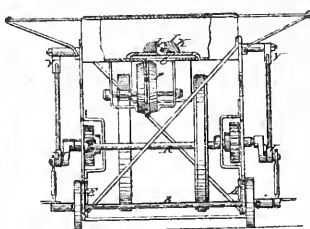
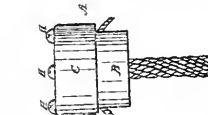
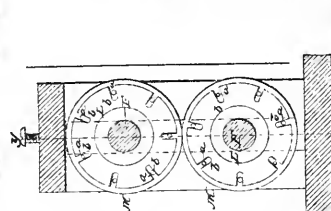
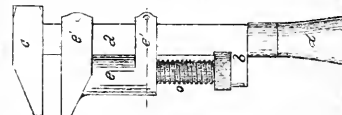
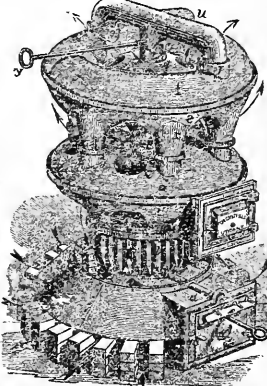
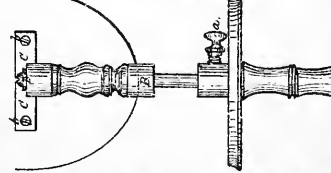


## ILLUSTRATIONS OF PATENTS

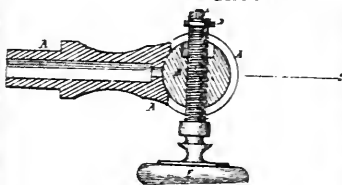
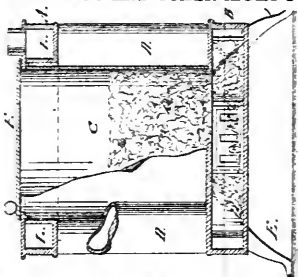
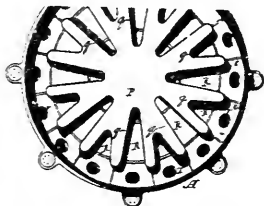
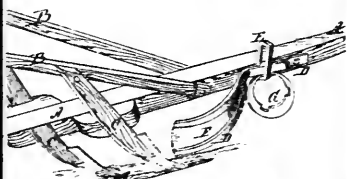
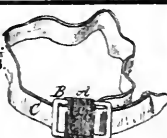
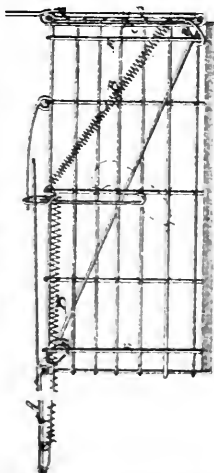
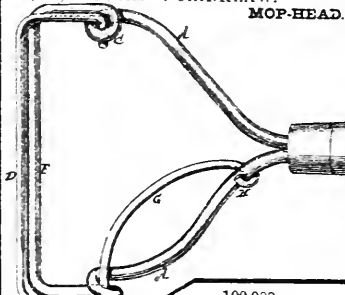
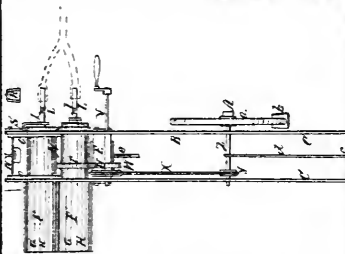
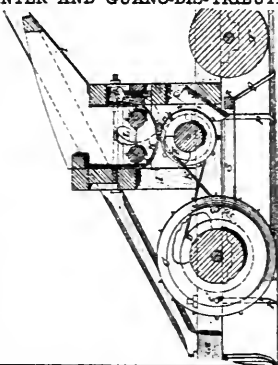
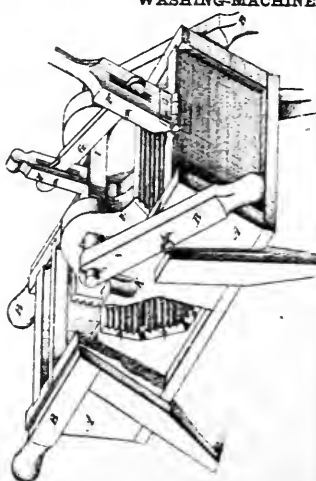
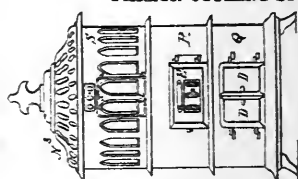
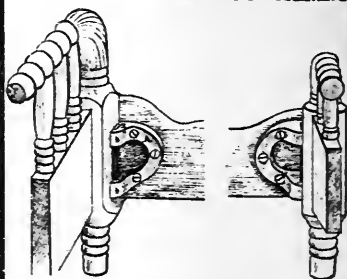
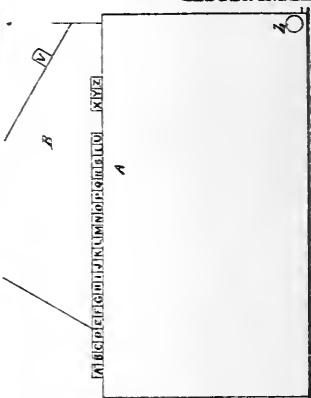
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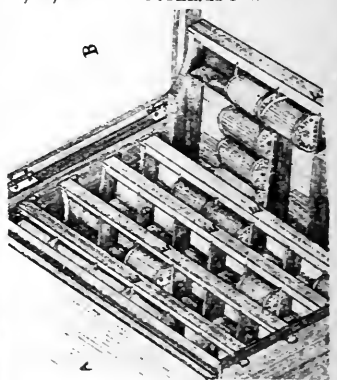
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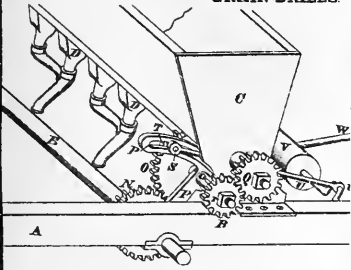
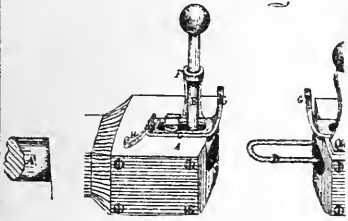
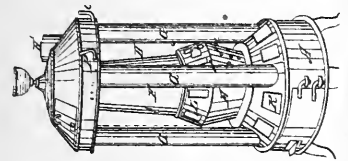
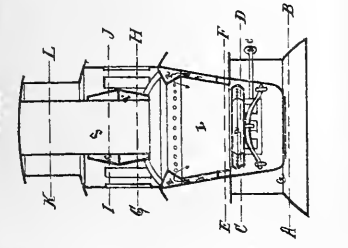
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DEPOSITION OF METALS.**100,962, J. F. ADAMS  
**PHOTOGRAPHIC SHOW-CASE**100,963, MOSES ADAMS **BUCKLES**100,964, A. W. ALMQVIST.  
F. W. OFELDT.**WATER-METERS.**100,965, ARON ANDERSON.  
**TABLE-LEAF SUPPORT**100,966, U. W. ARMSTRONG.  
IRA KEENEY.  
**RUBBER CONNECTION FOR  
MOSQUITO-NET FRAMES**100,967, OSBORNE BARKER.  
**INSTRUMENTS FOR DOSING ANIMALS**100,968, FERDINAND BLIESENICK  
**BOOT AND SHOE-HEELS**100,969, C. BLUST.  
MATTHAU HARBSTER.  
**CHURN-DASHER CRANK-FIXTURES.**100,970, M. P. BRAY.  
**FASTENINGS FOR CORSETS**100,971, WILLIAM G. BROWN  
**FOOTSTOOL FOR CHURCHES.**100,972, JAMES M. BURDICK.  
**HAY-TEDDERS.**100,973, BRADLEY BURR.  
**CARRIAGE-WHEEL HUBS.**100,974, JOHN F. BYLAND.  
**CORN-PLANTING ATTACHMENT  
FOR PLOWS.**100,975, GEORGE CAMPBELL  
**FORGE**100,976, D. H. CHAMBERLAIN.  
**DEAD-EYES FOR WIRE RIGGING**100,977, D. H. CHAMBERLAIN.  
**FRICTIONAL GEARING.**100,978, LUKE CHAPMAN. **WRENCHES.**100,979,  
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**HOT-AIR FURNACE**100,980, GEORGE H. CHINNOCK.  
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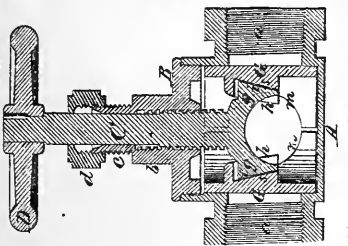
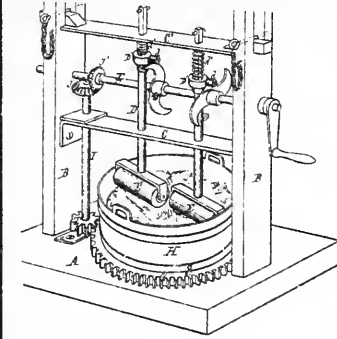
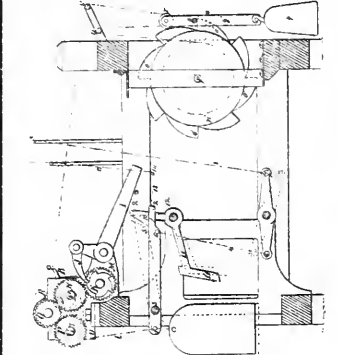
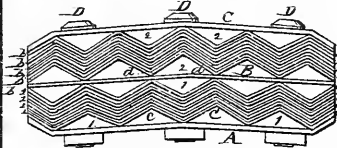
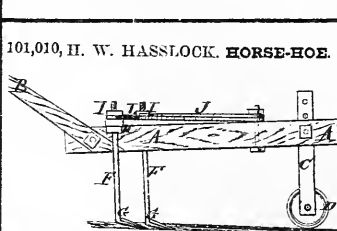
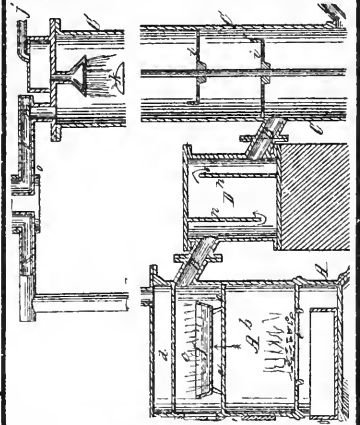
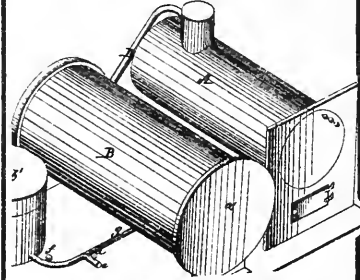
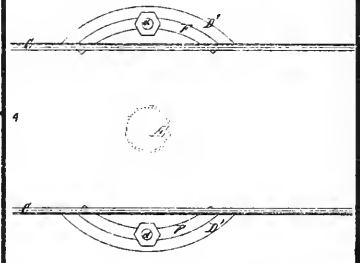
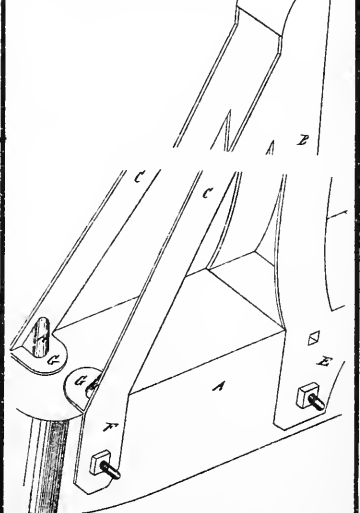
100,981, JOHN B. CHRISTOFFEL.  
GAUGE-COOKS.100,982, ORLANDO CLARKE.  
BASE-BURNING STOVE FOR  
SHAVINGS AND OTHER LIGHT FUEL.100,983, ORLANDO CLARKE.  
SECTIONAL STEAM-GENERATOR.100,984, JOSEPH CLUCKNER.  
DIRT-GAUGE FOR PLOWS.100,985,  
THOS. COGSWELL.  
CUFF-SUPPORTERS.100,986, JASPER E. CORNING.  
LOCKING DEVICE FOR TRAPS.100,987, WILLIAM S. CRINKLAW.  
MOP-HEAD.100,988,  
E. MORTIMER DEEY.  
FASTENINGS FOR STUDS OR BUTTONS.100,989, EDWARD MORTIMER DEEY.  
FLUTING-MACHINES.100,990, SAM'L. L. DONNELL.  
COMBINED CORN AND COTTON-SEED  
PLANTER AND GUANO-DIS-TRIBUTER.100,991, JAS. T. DORTON.  
STEPHEN G. EUBANK.  
WASHING-MACHINE.100,992, WM. DOYLE. BASE-BURNING  
PARLOR COOKING-STOVE.100,993, C. H. FESSENDEN.  
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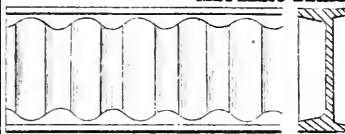
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RAILWAY RAIL-JOINT.100,997, EDWARD S. FRYE.  
REMOVING COLORS FROM LEATHER.

100,998, JESSE P. FULGHUM.  
GRAIN-DRILLS.100,999, ADOLPH GEISS.  
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BASE-BURNING STOVE.101,001 H. G. GILES.  
BASE-BURNING STOVES.

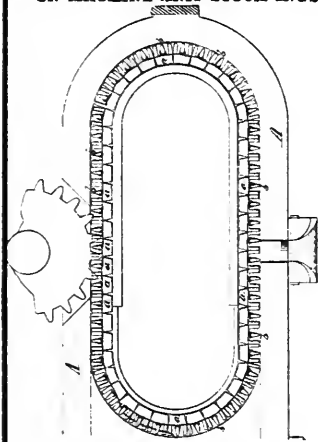
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101,003, WILLIAM GOODAIRE.  
GEORGE STEAD.  
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ALKALI USED IN OIL-REFINERIES.101,004, WM. F. GOODWIN.  
PROPELLING CANAL-BOATS101,005, WM. F. GOODWIN.  
WASHING-MACHINE.101,006, A. GOULLIUD. LOOM FOR  
WEAVING IRREGULAR FABRICS.101,007, MELVIN R. GREEN.  
SASH-BALANCES.101,008, ANTHONY HANKEY. BED-PLATE  
FOR RAG OR PAPER-ENGINES.101,009, NAT. HASKELL.  
EXTRACTING COPPER FROM ITS ORES.101,011, MORITZ HATSCHKE.  
APPARATUS FOR PRODUCING  
SULPHUROUS ACID.101,012, IRA HAYFORD.  
THE PROCESS AND APPARATUS  
FOR TREATING WOOD.101,013, JOHN HENRY. BOLSTER AND  
AXLE-BED PLATE FOR VEHICLES.101,014, JOHN HENRY  
WAGON-STANDARD.

101,015, LAURENCE HOLMS.

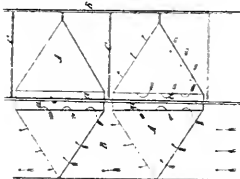
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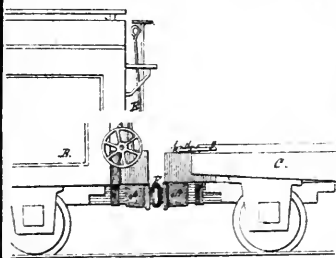
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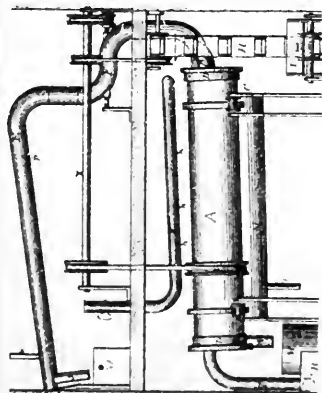
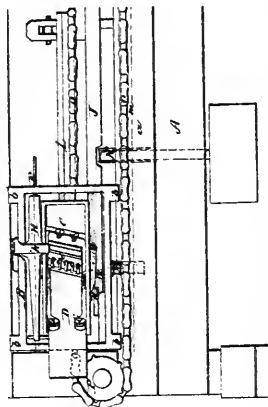
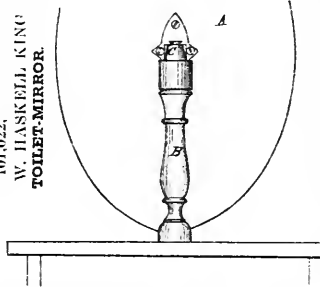
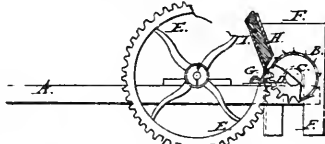
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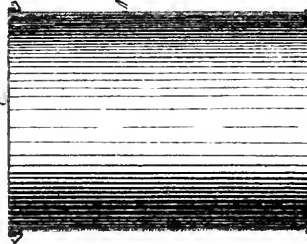
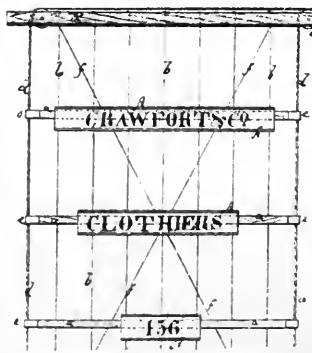
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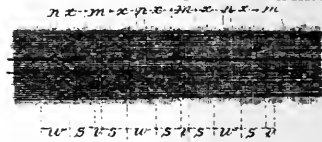
101,019, GUSTAVUS A. JASPER.

**APPARATUS****FOR COOLING AND SAVING CHARCOAL.**101,020, GEO. T. JONES. MANUFACTURE  
OF REVENUE AND OTHER STAMPS.101,021,  
CHARLES JORDAN MACHINE  
FOR CUTTING BASKET STUFF.101,022,  
W. HASKELL KING  
TOILET-MIRROR.101,023, WARREN KINTON. GRATER.  
JOHN MAXSON.

101,024, ISAAC KLING. FRUIT-CANS.

101,025, P. A. LA FRANCE. SIGNS  
J. D. DENSMORE.

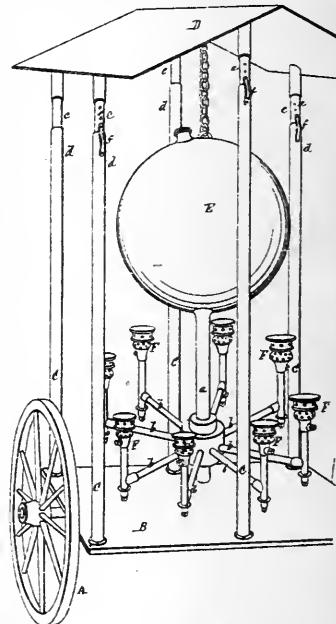
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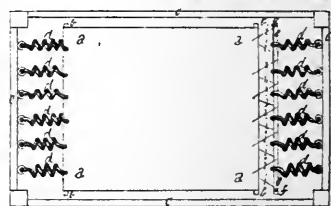
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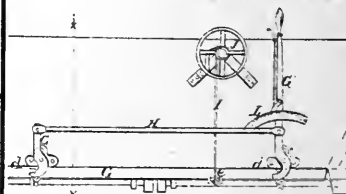
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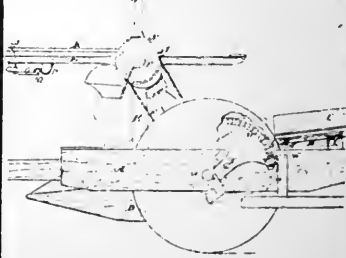
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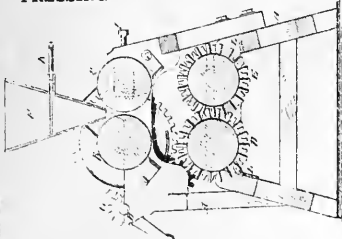
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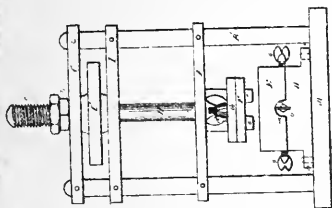
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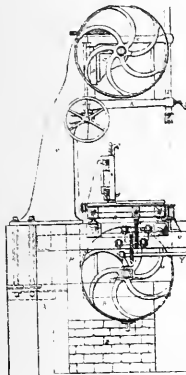
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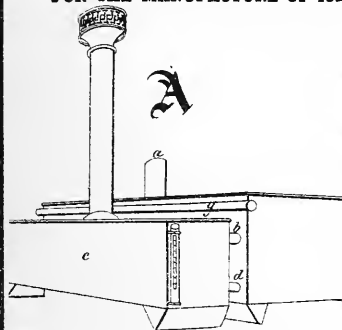
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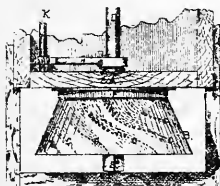
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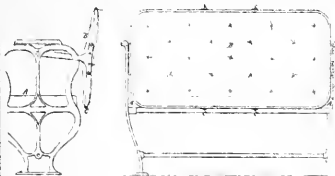
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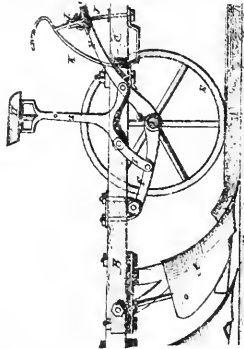
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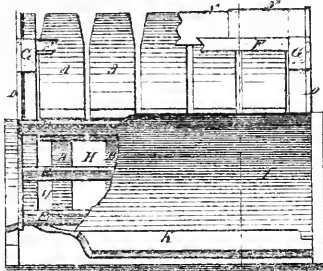
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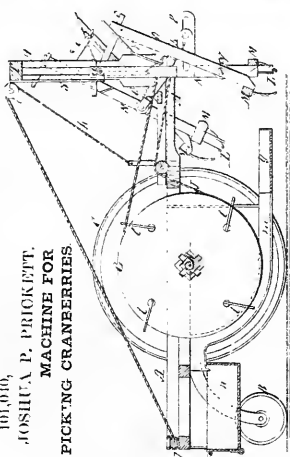
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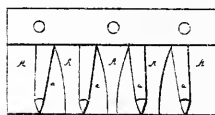
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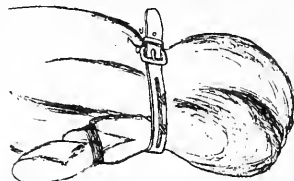


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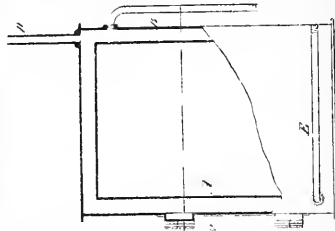


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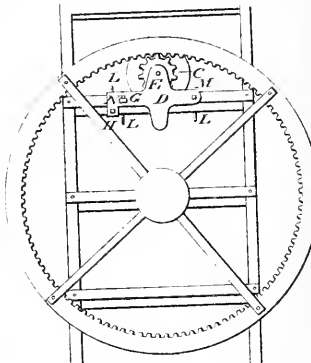
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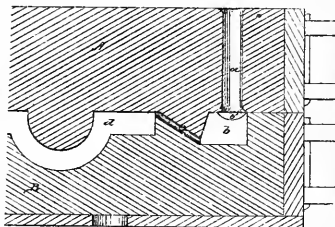
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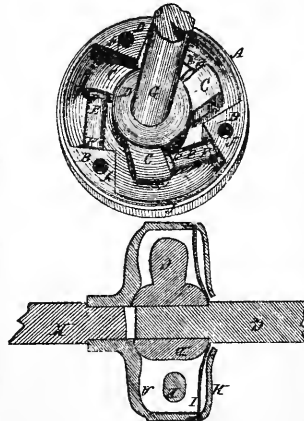
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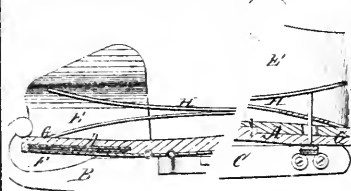
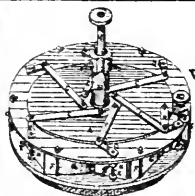
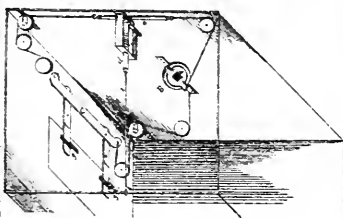
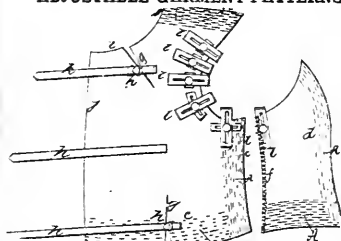
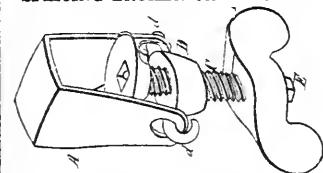
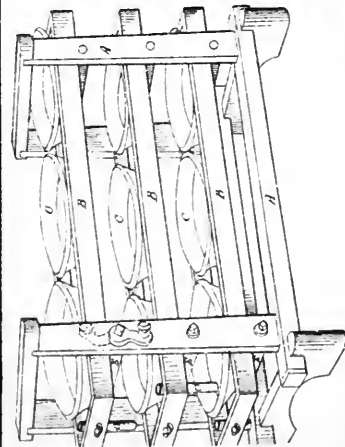
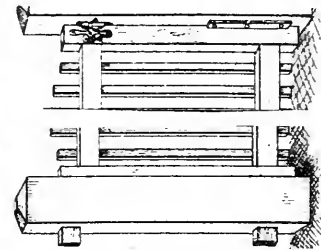
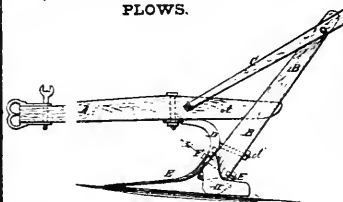
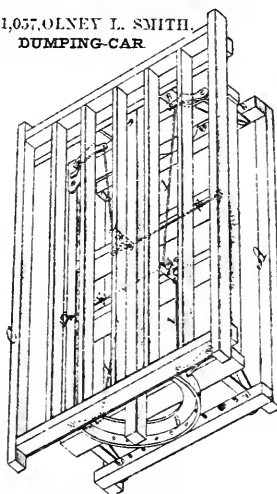
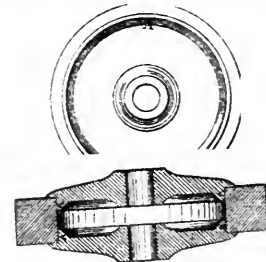
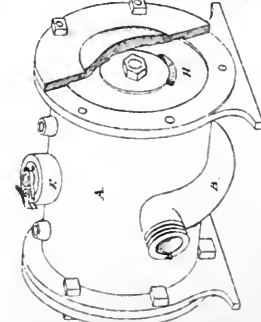
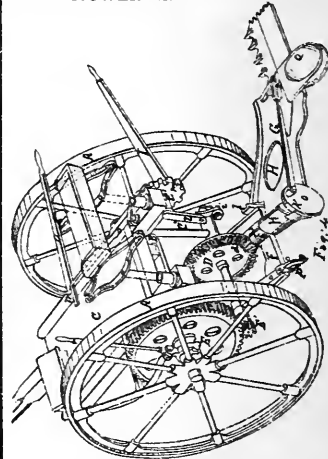
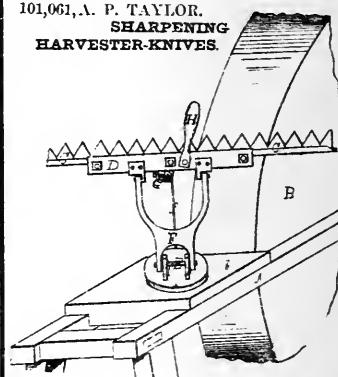
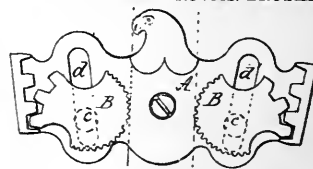
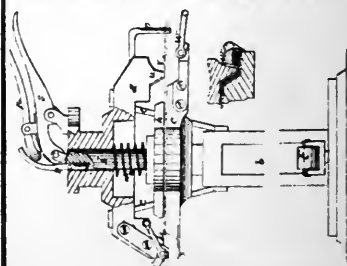
101,046, R. ROSS, CASTING METAL.



101,047, THEODORE ROWELL.  
SHAFT-COUPLING.

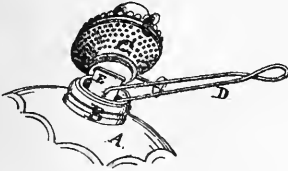


101,048 JOHN ROWLEY, TREATING COAL  
PRODUCTS TO OBTAIN BENZOLE.

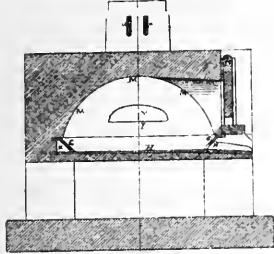
101,049, J. F. SCHNEIDER. **SEATES.**101,050,  
W. L. SELLECK.  
**WATER-WHEELS.**101,051, W. SHARTS. **BOLTS FOR SAFES.**101,052, SAMUEL SHAWCROSS.  
**ADJUSTABLE GARMENT-PATTERNS.**101,053, ALFRED B. SHEAFFER.  
**HAND-SCREW AND CLIP FOR  
SPlicing BROKEN CARRIAGE-TIRES**101,054, LAWSON SHIPMAN.  
**MILK-RACKS AND COOLERS.**101,055, WARREN SHUMARD.  
**LATCHES FOR GATES.**101,056, D. T. SINGLETON.  
**FLOWS.**101,057, OLNEY L. SMITH.  
**DUMPING-CAR**101,058, F. A. SCWERKROP.  
**EMERY-WHEEL CLAMP.**101,059, THOMAS SWEENEY.  
**WATER-METERS**101,060, J. OSCAR TAIER. **COMBINED  
MOWER AND HEDGE-TRIMMER**101,061, A. P. TAYLOR.  
**SHARPENING  
HARVESTER-KNIVES.**101,062, A. B. THOMPSON. **CLAMP FOR  
HOLDING BROOMS, BRUSHES.**101,063, H. UHRY. **STAIR-RODS**101,064, H. UHRY. **STAIR-RODS.**101,065, JOHN M. VEASEY.  
**SHEET-METAL SEAMING-MACHINE**



101,066, WILLIAM WESTLAKE.  
ATTACHMENT FOR LAMP-BURNERS



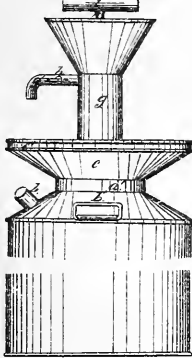
101,067, JAMES D. WHELPLEY.  
JACOB J. STORER.  
MANUFACTURE OF IRON AND  
IN THE APPARATUS THEREFOR.



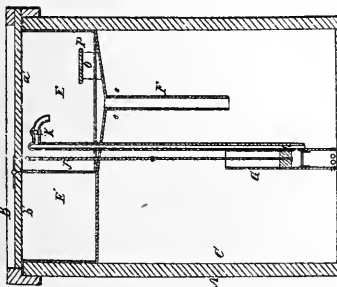
101,068, A. W. WHITNEY.  
P. A. WHITNEY.  
F. A. WHITNEY. TINNERS' AND  
SHEET-IRON WORKERS' ROLLS.



101,069, ELI F. WILDER.  
APPARATUS FOR MEASURING LIQUIDS



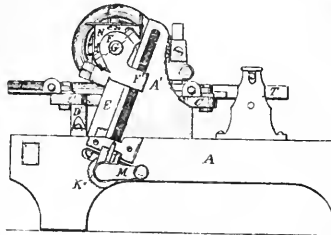
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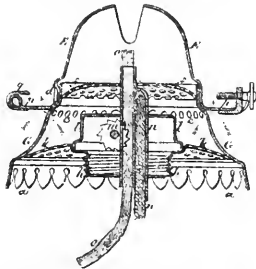
101,071, THOS. E. WOOD. COMPOUND  
TO BE APPLIED TO ROOFING.



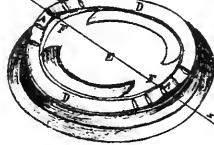
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PLANING-MACHINES.



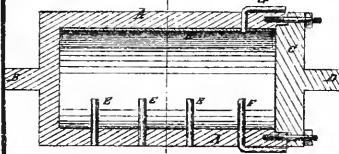
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CEPHAS BUTLER.  
LAMP-BURNERS.



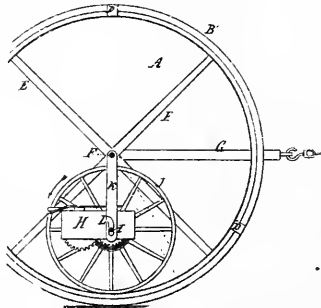
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CAPS FOR FRUIT-JARS.



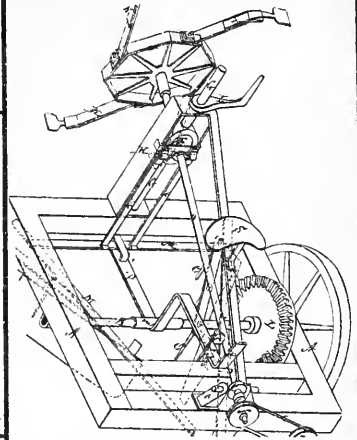
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ELECTROPLATING APPARATUS.



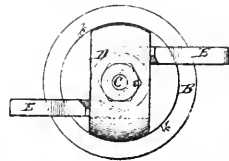
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TOY ROLLING CAGE.



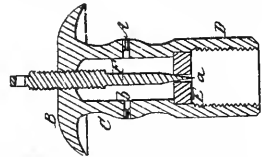
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WM. J. ANDREWS.  
COTTON-CULTIVATOR



101,078, JOSEPH F. APPELEGATE.  
CASPAR FEJOCK.  
BUNGS.



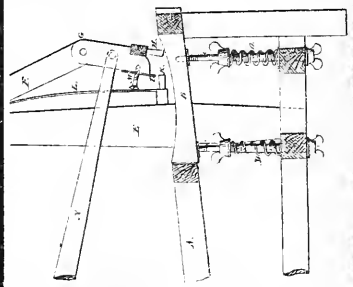
101,079, WILLIAM AURICH.  
VAPOR-BURNERS.



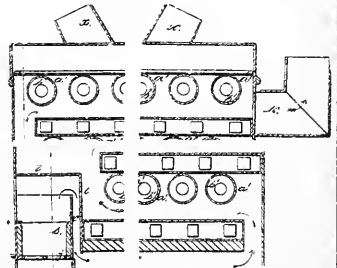
101,080, JAS. F. BABCOCK.  
SPRINGS FOR RAILROAD CARS.



101,081, JAMES T. BARNSTEAD.  
MACHINES FOR SCRAPING LEATHER.

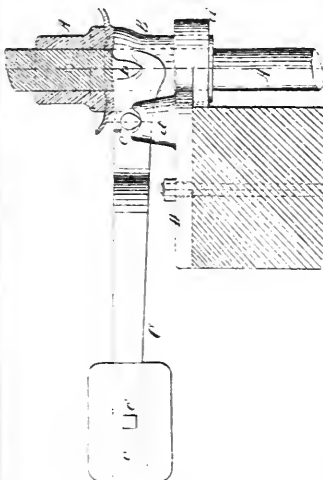


101,082, WM. D. BARTLETT.  
HEATING-FURNACES.

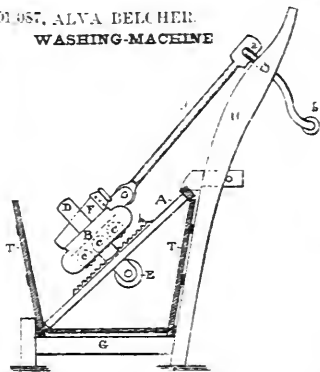




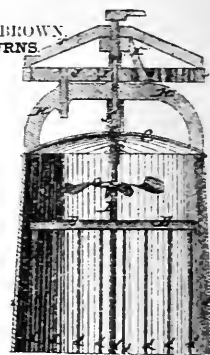
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ADJUSTABLE BEARINGS FOR  
WATER-WHEEL SHAFTS



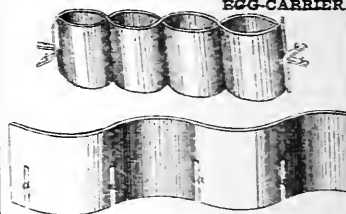
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WASHING-MACHINE



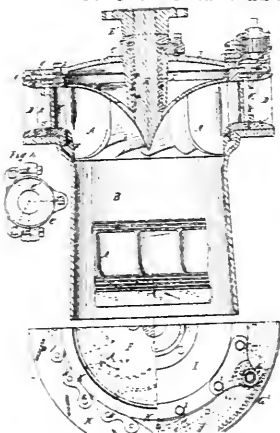
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G. C. BROWN.  
CHURNS



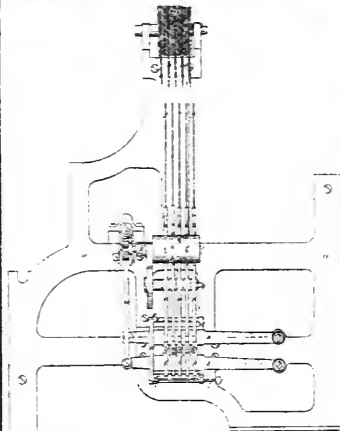
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EGG-CARRIER



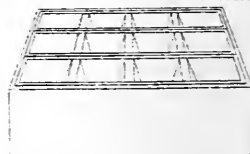
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A. B. CROWELL.  
TURBINE WATER-WHEELS



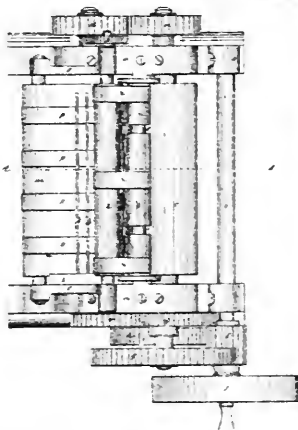
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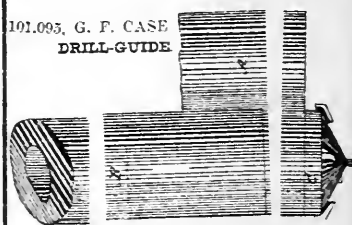
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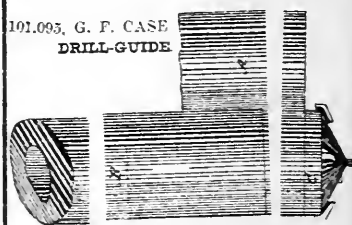
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MACHINE FOR CRUSHING RAMIE  
AND OTHER FIBROUS STALKS.



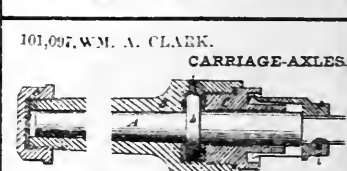
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MEDICAL COMPOUND



101,095, G. F. CASE  
DRILL-GUIDE



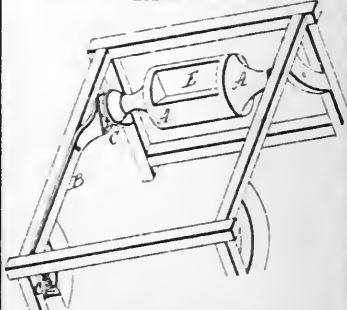
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MEDICINE OR COUGH-SIRUP.



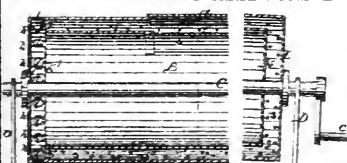
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CARRIAGE-AXLES



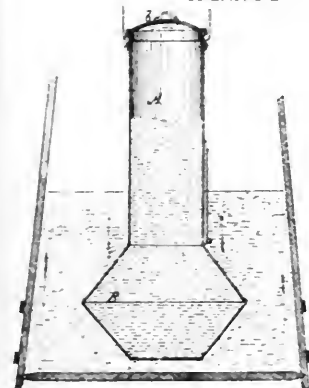
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EARTH-CLOSETS.



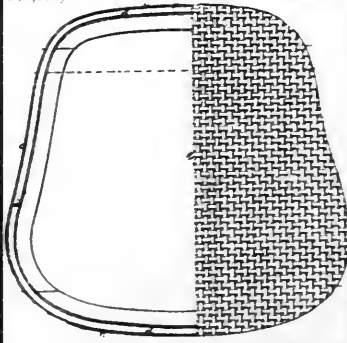
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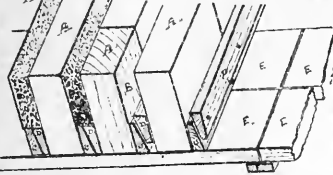
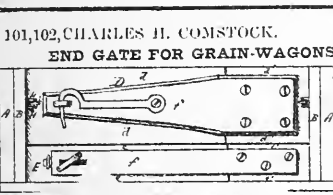
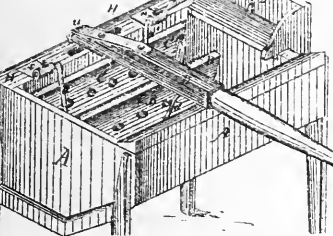


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JOHN S. COON.  
CREAM-HEATER

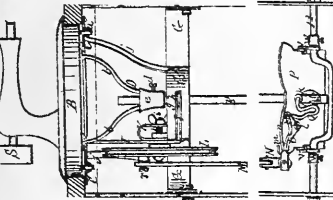
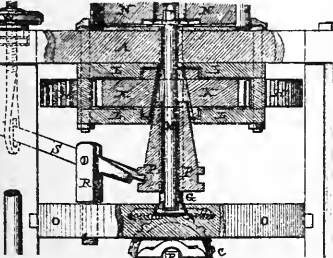
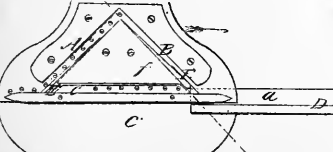
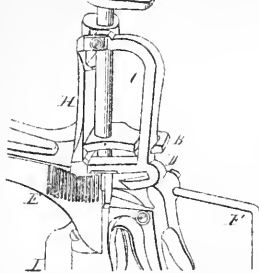


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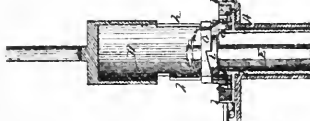
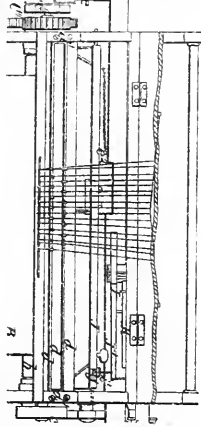
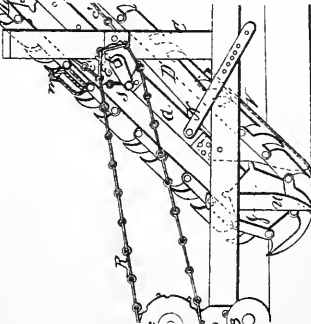


101,099, WILLIAM CLEMSON.  
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JAS. R. COLE, COMPOSITION FOR  
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HENRY W. CONNOR.  
WASHING-MACHINE.

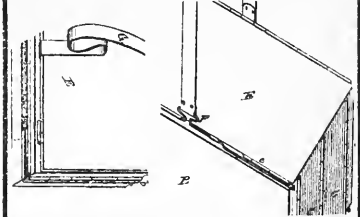
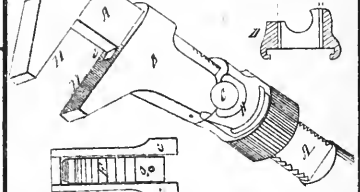
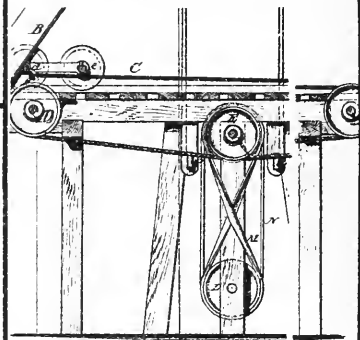
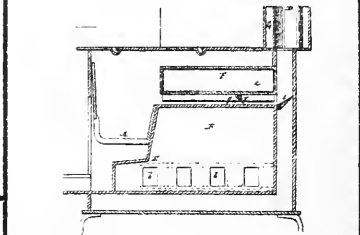
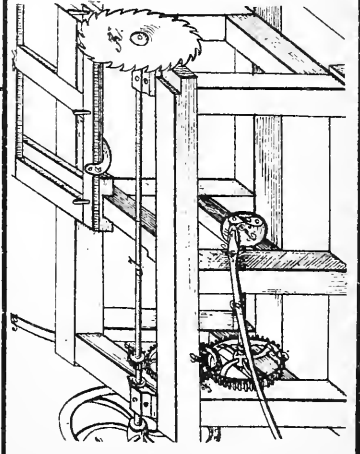
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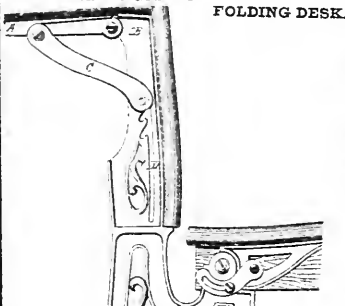
101,105, WILLIAM CRAWFORD.  
SAMUEL CLARKE.  
STOPPING AND STARTING MILL-BURS.101,106, ANTHONY G. DAVIS.  
CHARLES W. BLAKESLEE.  
ALPHEUS N. ALLEN.  
KNITTING-MACHINES.101,107, BIRAM C. DAVIS.  
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101,108, CHARLES T. DAY, SKATES.

101,109, ELIPHALET DOUGHERTY.  
STEP-SPINDLES.101,110, ISAAC C. DOWNES.  
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HOLDER FOR DIAMONDS.101,112, A. J. DYE.  
STEAM DITCHING-MACHINES.

101,113, JOHN ERPELDING, LUNCH-BOX.

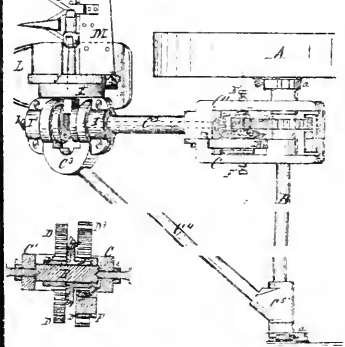
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-APPARATUS FOR MINES.101,116, WM. GARDNER.  
GEO. GARDNER.  
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IN SAWING-MACHINES.

101,118. JULES WENDELL.  
E. W. GILLES.**FOLDING DESK.**

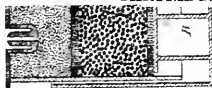
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**COMPOSITION HANDLE OR PULL.**

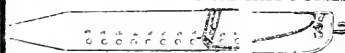
101,120. WM. F. GOODWIN.

**IN HARVESTERS.**

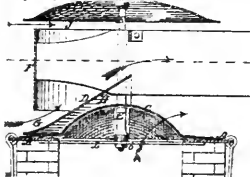
101,121. SAMUEL C. GREENE.

**HOLDERS FOR METALLIC  
CARTRIDGE-CASES.**

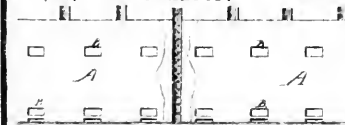
101,122. CHARLES T. GRIMES

**HORSE HAY-FORKS.**

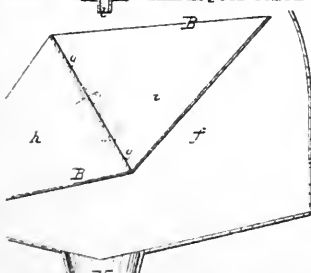
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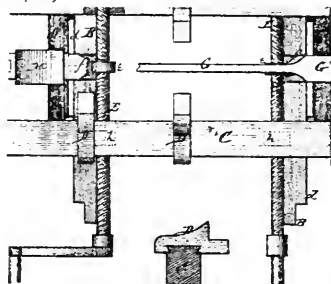
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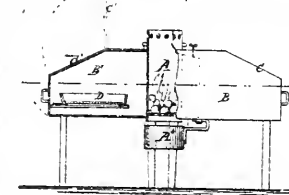
101,125. T. C. HARGRAVE.

**LIQUID METERS.**

101,126. E. B. HAYES. CLAMPS.



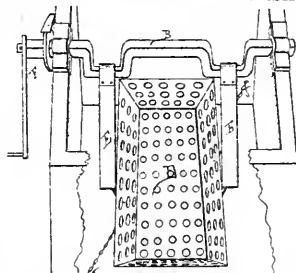
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**COOKING-STOVES.**

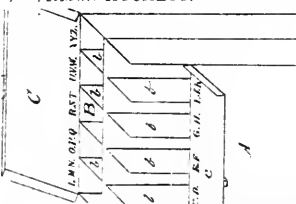
101,128. VITALIS HIMMER.

**LEMON-SQUEEZER.**

101,129. MARY HOBSON. DISH-WASHER.

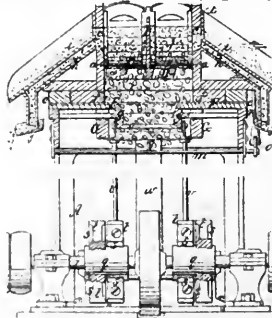


101,130. AMOS HOCKETT. PAPER-FILES.

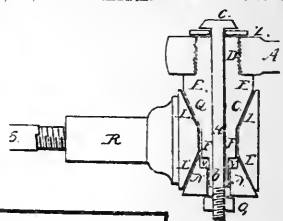


101,131. H. A. HOGEL. FERTILIZER.

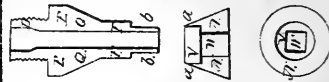
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**WILLIAM HOOPER. ORE-SEPARATOR.**

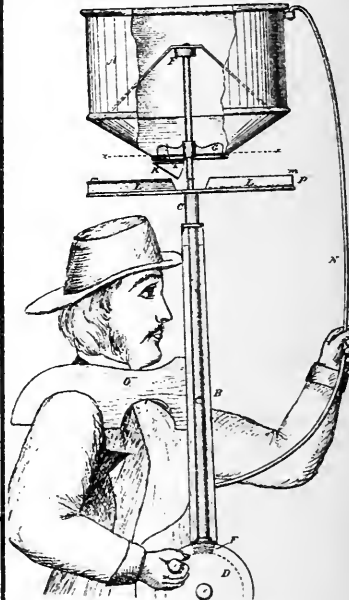
101,133. E. H. KEITH. GAME-REGISTERS.



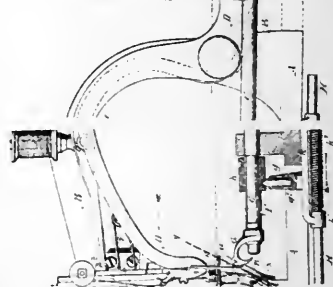
101,134. J. KLINE.

**HARVESTER CRANK AND PIN.**

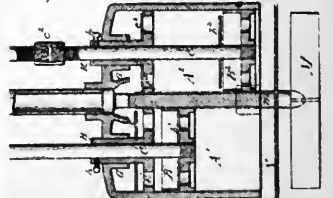
101,135. HENRY KNAPP.

**TREE-PROTECTORS.**101,136. J. C. KURTZ.  
BROADCAST SEEDER.

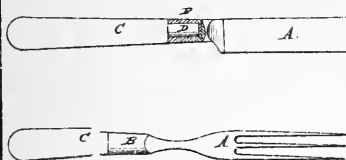
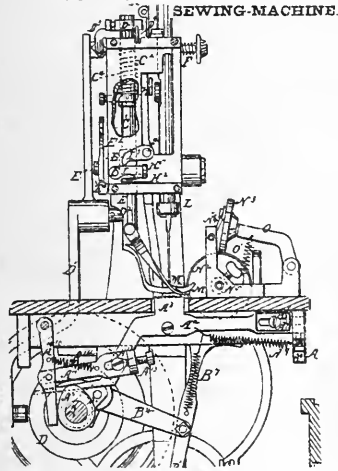
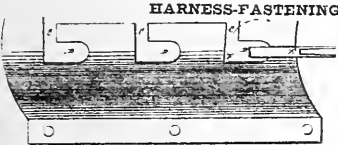
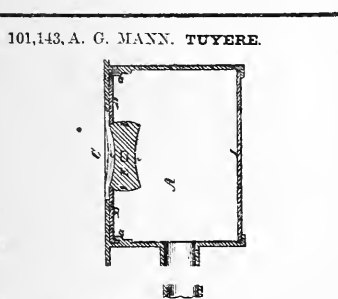
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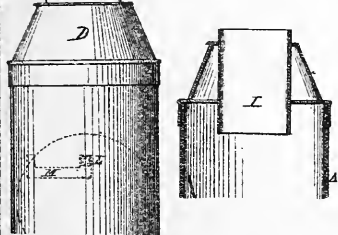
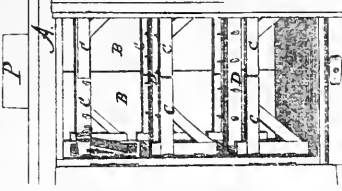
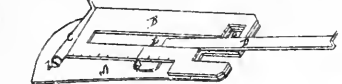
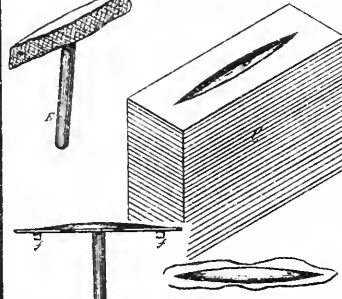
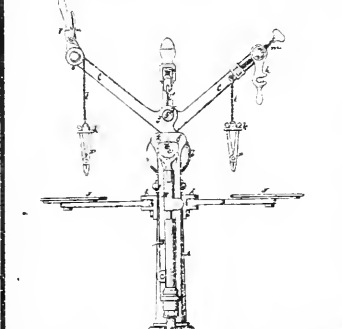
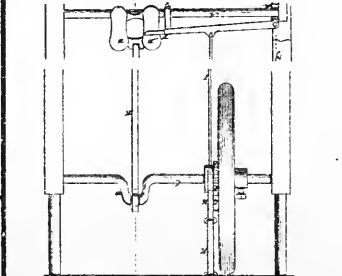
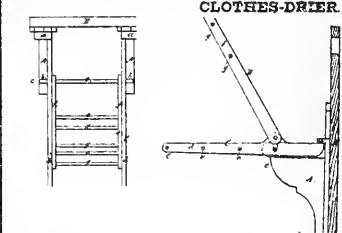
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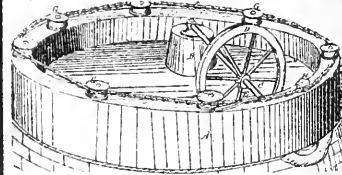
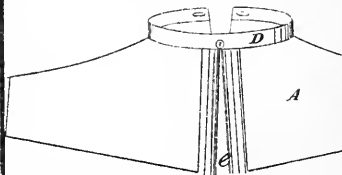
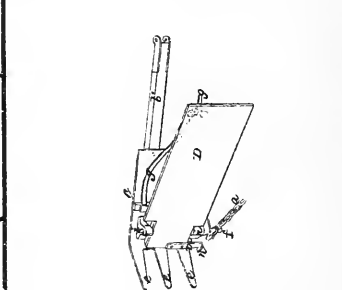
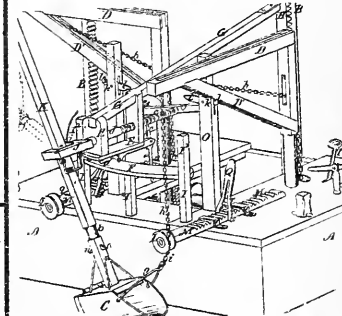
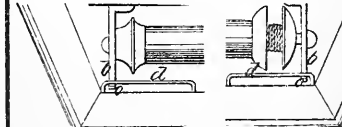
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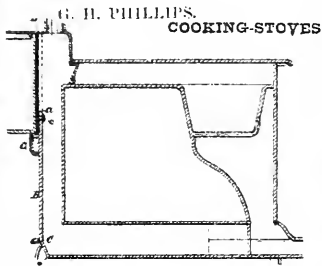
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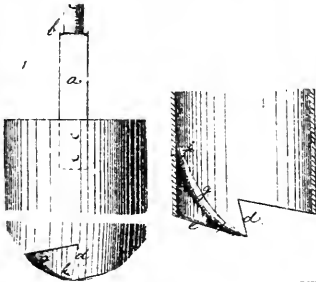
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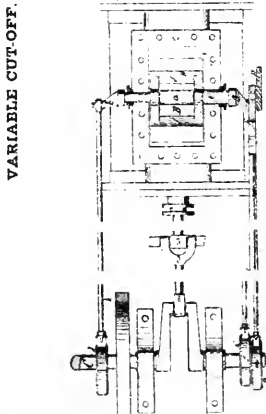
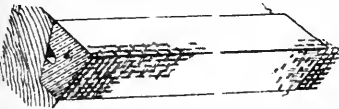
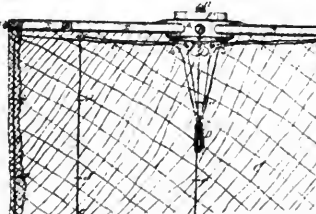
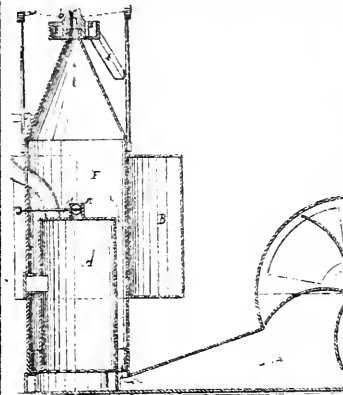
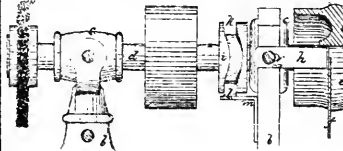
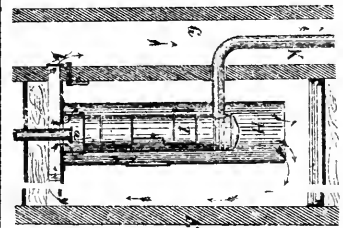
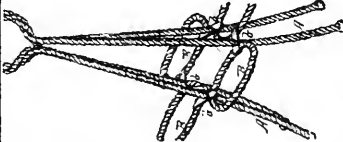
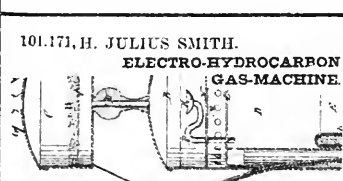
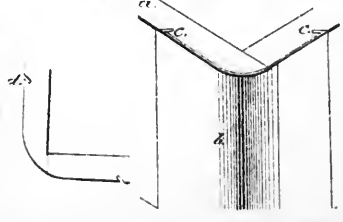
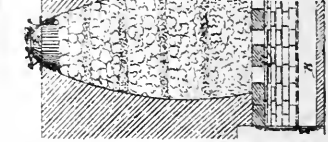
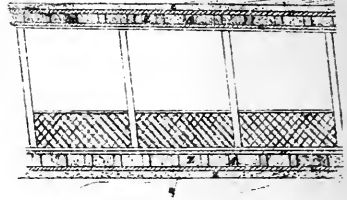
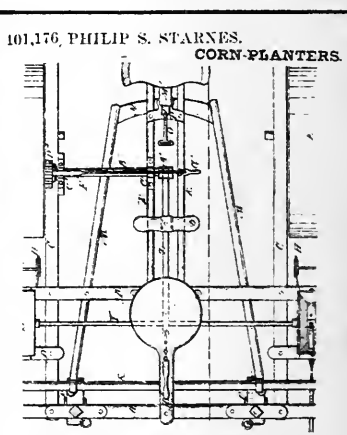
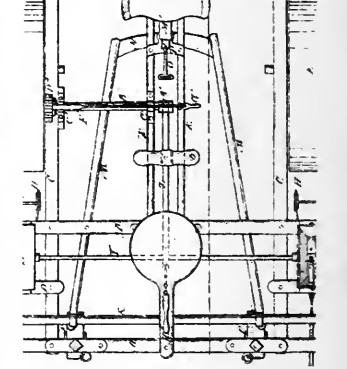
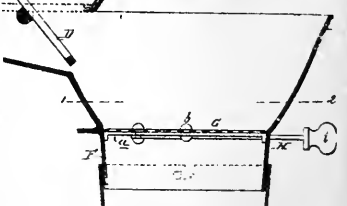
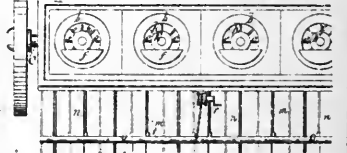
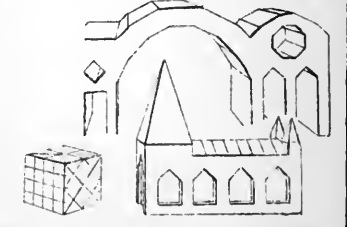
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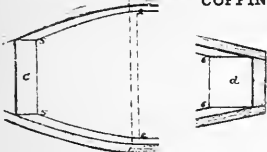


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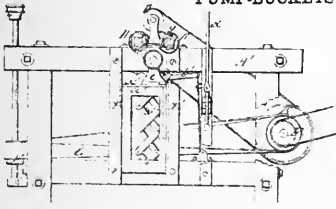
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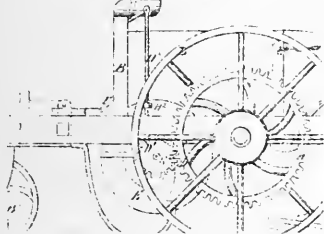


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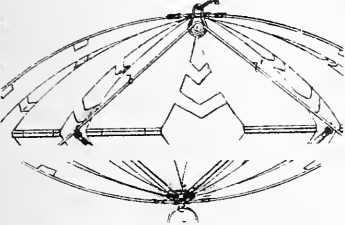
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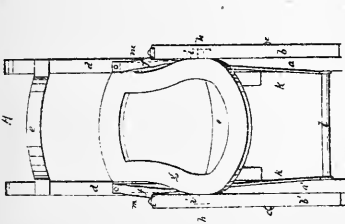
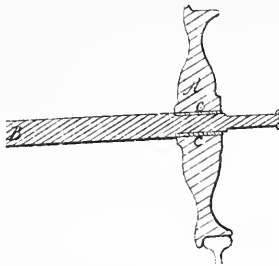
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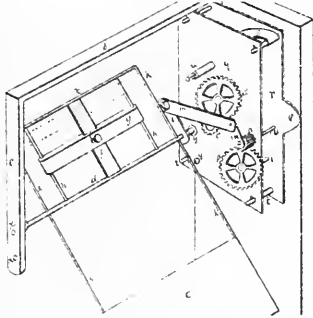


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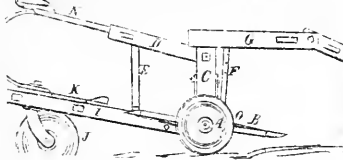
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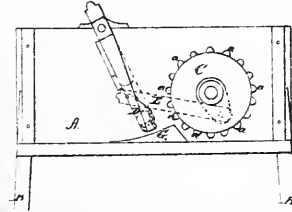
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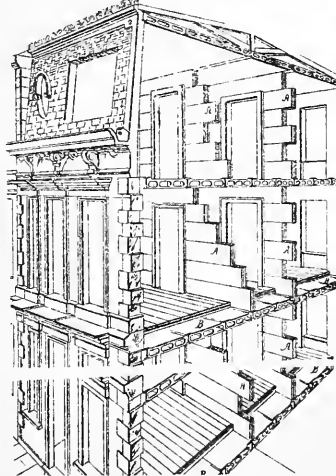
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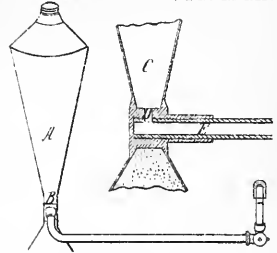


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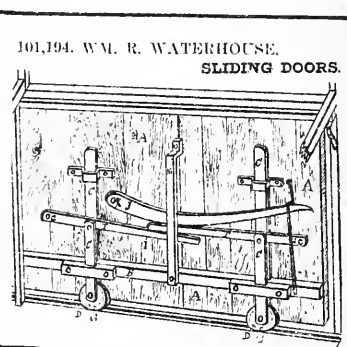


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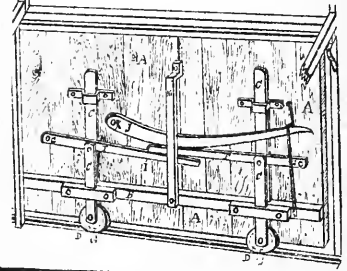
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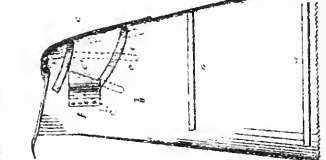
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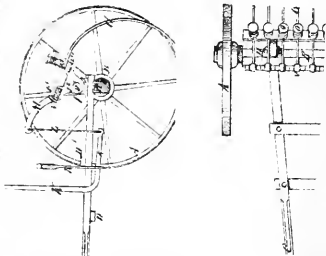
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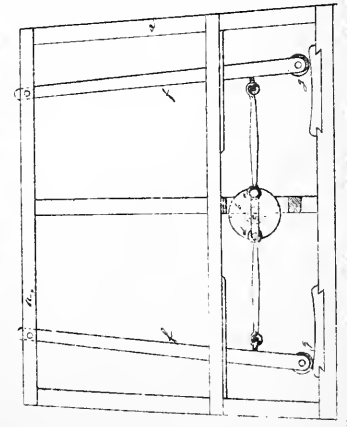
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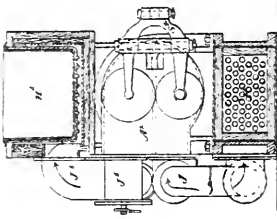
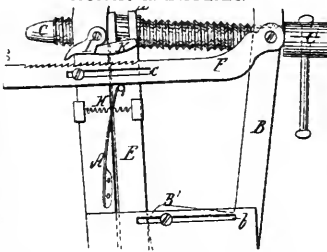
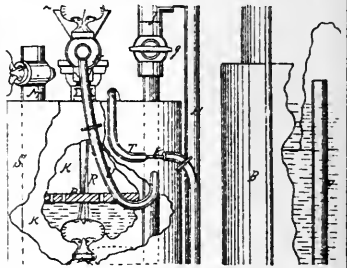
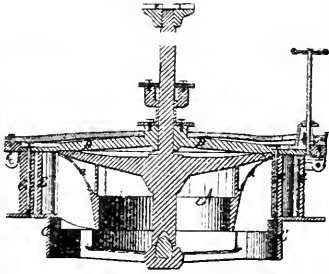
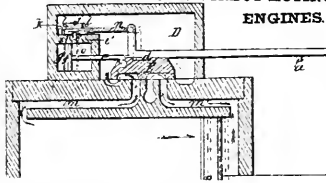


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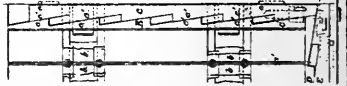
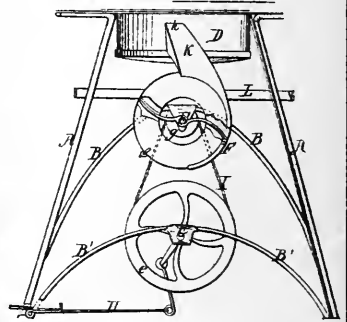
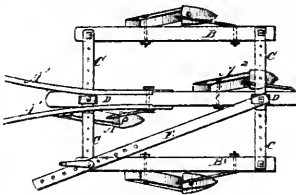
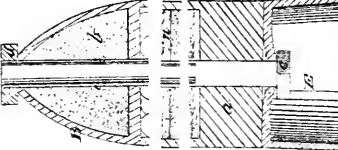
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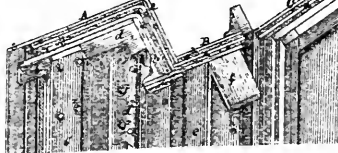


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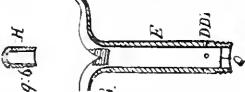
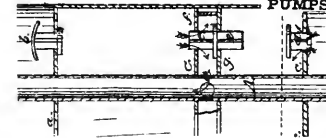
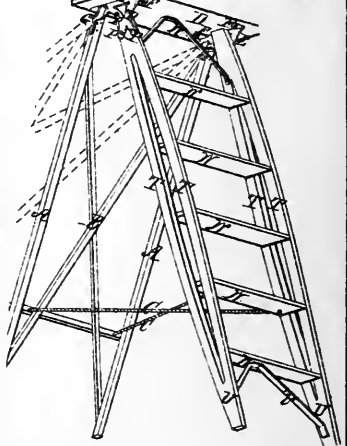
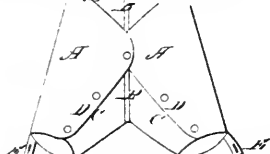
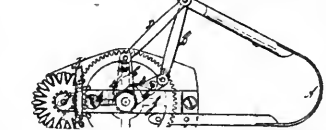
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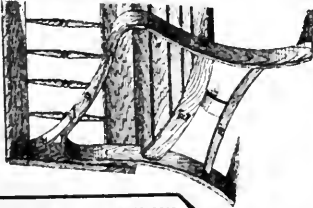
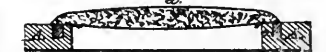
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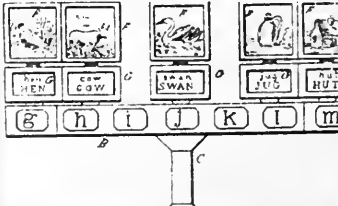
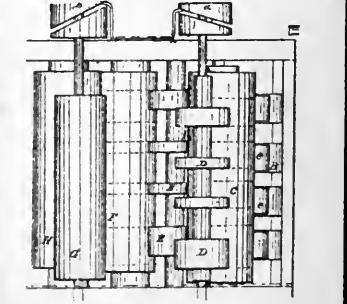
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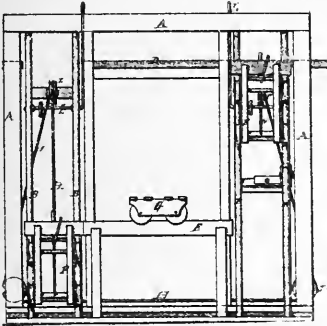
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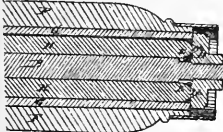
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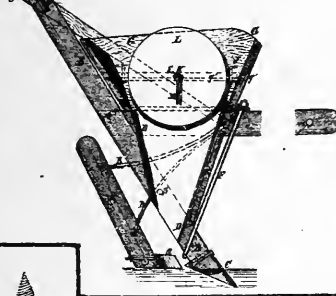
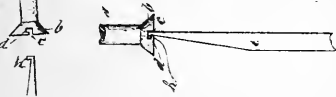
ANTI-FRICTION GARRIAGE-AXLES.

101,205, ALONZO ALLCOTT.



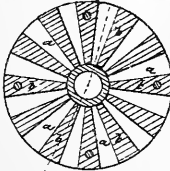
101,206, JOHN P. ALLEN.

COTTON-SEED PLANTERS.

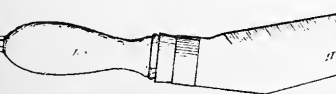
101,207, ALLEN S. APGAR.  
SCREW AND SCREW-DRIVER.

101,208, W. J. ARRINGTON.

CARRIAGE-WHEEL HUBS.

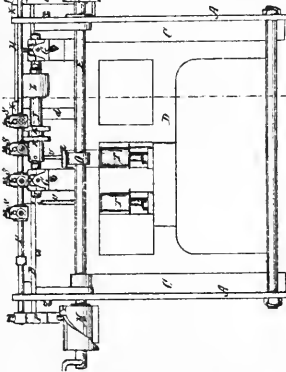
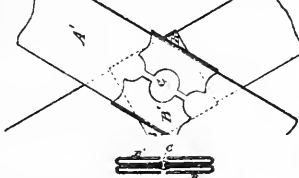
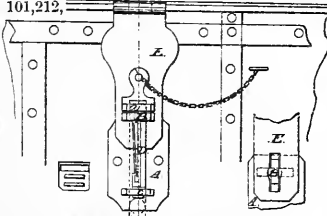
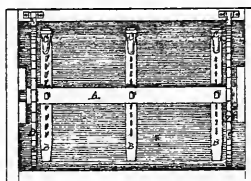


101,209, KNIVES.

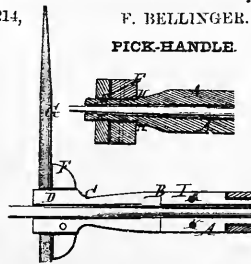
NOYES E. BABCOCK.  
GEORGE D. GOODSSELL

101,210, JOSEPH H. BAIRD.

HINGE-MACHINE.

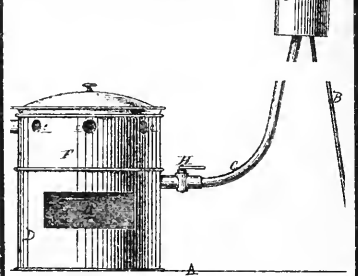
101,211, THO. W. BARTHOLOMEW.  
SUSPENDERS.S. THOMPSON BARTON, HASPS FOR  
JOHN W. AFFRON. TRUNKS, &c.101,213, W. B. ROWLAND, OTIS W. BEAN  
APPARATUS FOR TANNING LEATHER.

101,214,

F. BELLINGER.  
PICK-HANDLE.

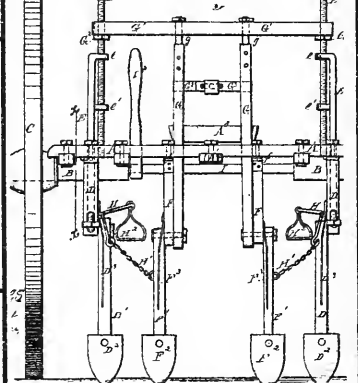
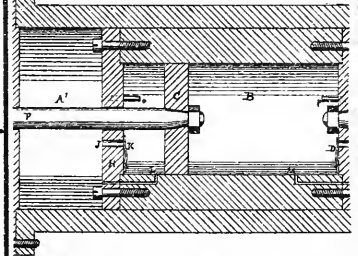
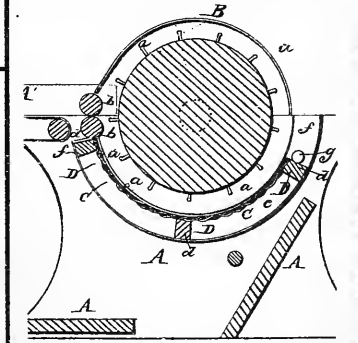
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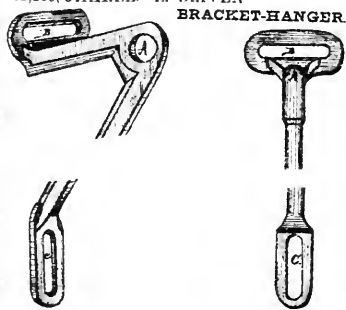
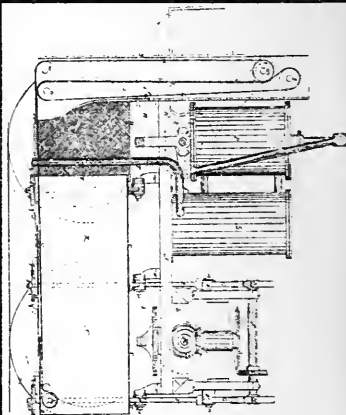
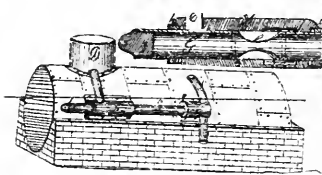
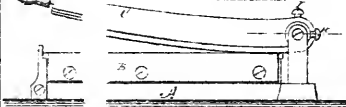
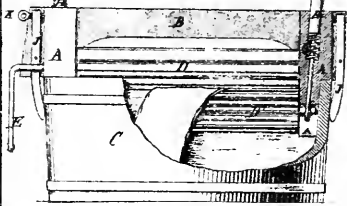
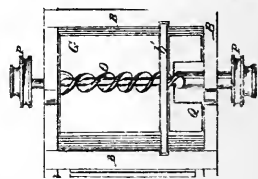
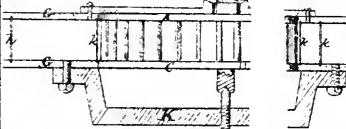
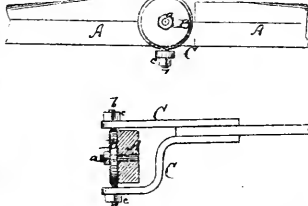
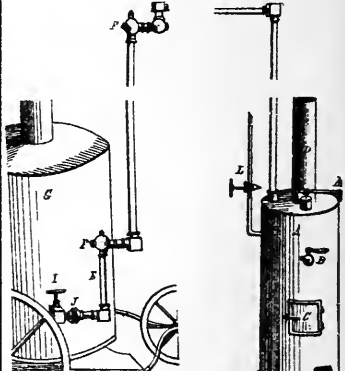
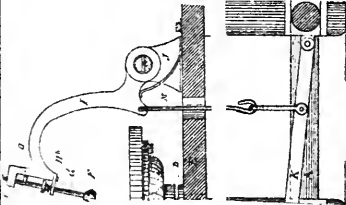
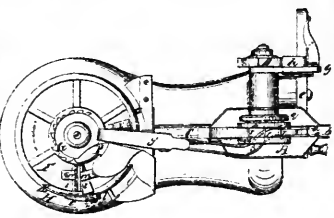
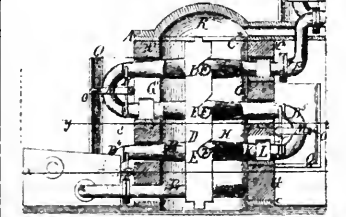
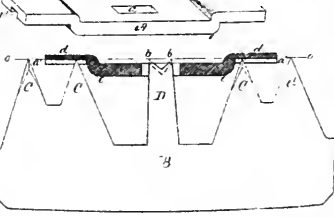
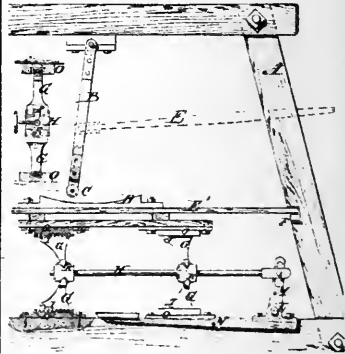
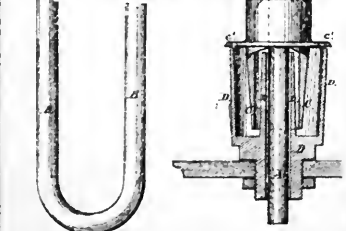
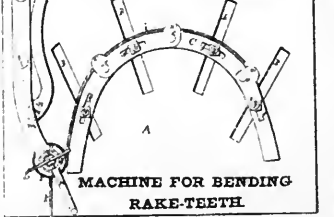
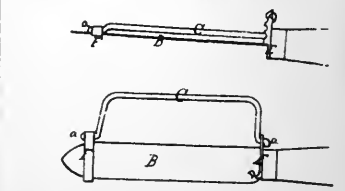
VAPOR-BURNER.



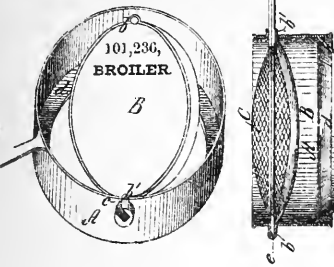
101,216, CHARLES BIRD.

CULTIVATORS.

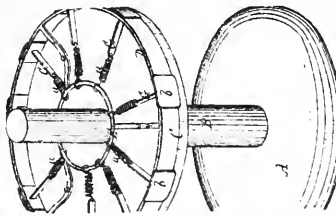
101,217, GEO. F. BLAKE. MODE OF  
CUSHIONING STEAM-PISTONS.101,218, MILTON BLISS. MACHINE FOR  
PICKING AND DUSTING WOOL.

101,219, CHARLES E. BLIVEN  
BRACKET-HANGER.101,225, JOHN M. CASE.  
STEAM-BOILER FEEDER.101,220, JAMES BOOTH.  
SHEARS.101,226, GEO. R. CHANDLER.  
WASHING-MACHINE.WM. W. CROOM.  
101,232 COTTON-SEED PLANTER, &c.101,221, CLARK BOYD.  
TURBINE  
WATER-WHEELS.WILLIAM CLARK, KING-BOLT FOR  
101,227, CARRIAGES.101,233, HUGH E. CUREY.  
STEAM-GENERATOR.101,222, WARREN S. BURGESS,  
GEORGE A. LENZI  
APPARATUS FOR CUTTING  
PHOTOGRAPHIC PRINTS.101,228, NATHAN S. CLEMENT.  
MACHINE FOR NICKING SCREWS.101,223, A. BURTONSHAW.  
HOT-BLAST FURNACES.101,229, WILLIAM CLEMONS.  
SAW-GAUGES.101,234, JOHN G. CURTIS.  
ROLLING-MACHINE FOR LEATHER.101,224, JOHN BUTLER.  
COUPLINGS  
FOR CONNECTING THE INLET-PIPE  
TO THE RETORT  
OF A GAS-MACHINE.101,230, COLUMBUS COLEMAN.  
MACHINE FOR BENDING  
RAKE-TEETH101,231, ROBERT F. COOKE.  
COTTON-PICKERS101,235, GILBERT K. DEARBORN.  
KNIFE-GUARD.

DANIEL W. DENMAN.  
WILLIAM K. TILLOTSON.

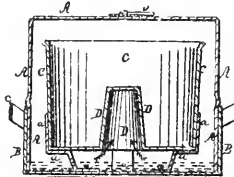


101,242, WM. B. ELLIOTT. APPARATUS  
FOR SETTING UP BARRELS.

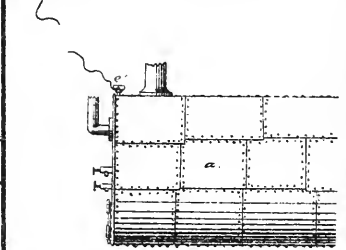


101,243, ELIJAH ENGLAND. TANNING

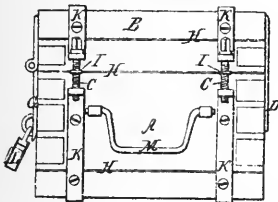
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CULINARY VESSEL.



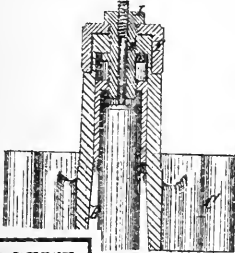
101,248,  
JOHN T. FISHER.  
PREVENTING THE  
INCRUSTATION OF  
STEAM-BOILERS.



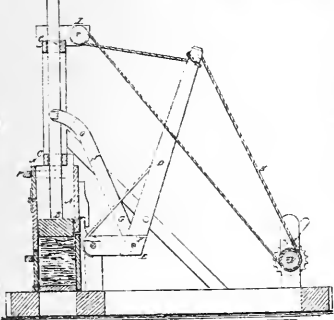
101,237, TRUNKS. HEINRICH DOERR.



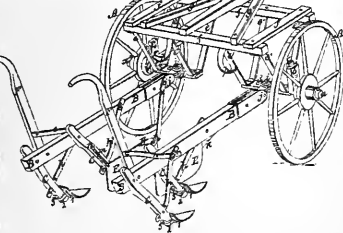
101,238, JOHN DU BOIS. FASTENING  
E. F. BEUGLER.  
FOR CUTTER-HEADS, PULLEYS, &c.



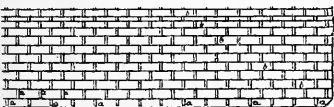
101,239, J. S. DUFFY.  
COTTON AND HAY-PRESSES.



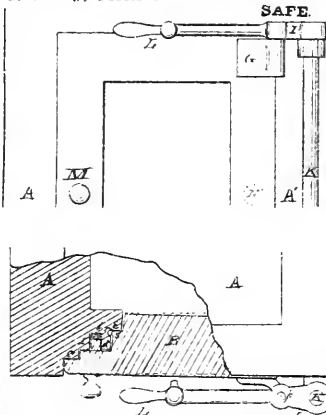
101,240, S. H. DWIGHT,  
WHEELED W. B. CHAMBERS.  
CULTIVATORS.



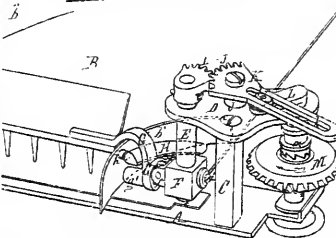
101,241, ASAHEL N. ELLIOTT.  
MATERIAL FOR CHAIR-SEATS.



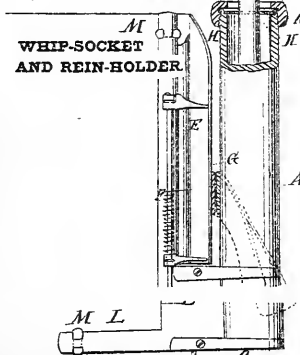
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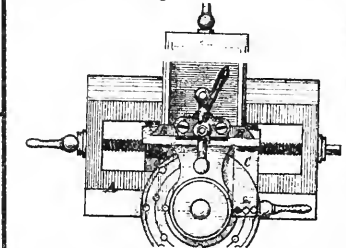
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HARVESTER-RAKES



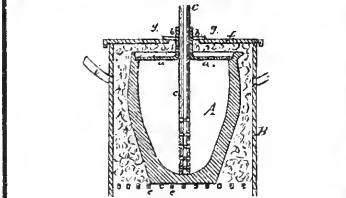
101,247, J. R. FINNEY.



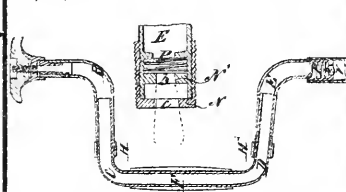
101,249, JAMES FLOWER.  
LATHE FOR SQUARING NUTS, &c.



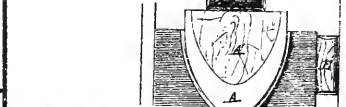
101,250, HIRAM C. FOLSOM. CONVERTING  
ARTICLES MADE OF IRON INTO STEEL



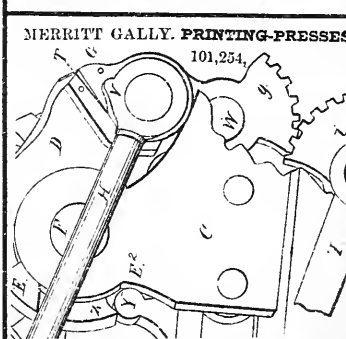
101,251, D. P. FOSTER. BIT-STOCKS.



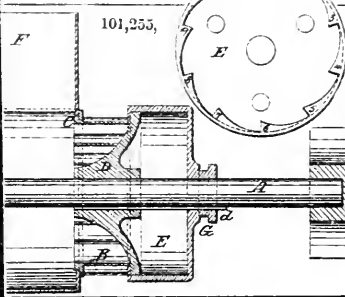
101,252, JOHN FRASER.  
HORSE-COLLAR-PAD PRESS.



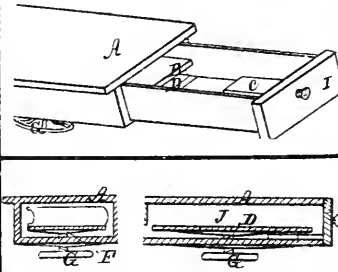
101,253, A. H. FREAR. MANUFACTURE  
OF ARTIFICIAL STONE



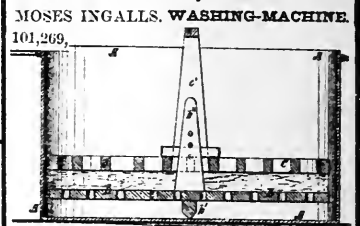
JAMES E. GILLESPIE.  
HORATIO B. WEAVER.  
WATER-WHEELS.



101,262, WILLIAM H. HAWKINS.  
COPYING-PRESSES.



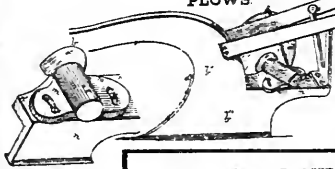
101,268, THEODORE HYATT.  
ASBESTOS FILLING FOR FIRE-PROOF  
SAFES AND OTHER STRUCTURES.



S. H. INGERSOLL. WOOD PAVEMENTS.

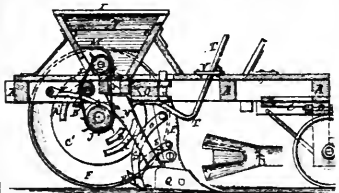


101,256, JOSEPH S. GODFREY.  
FLOWS.

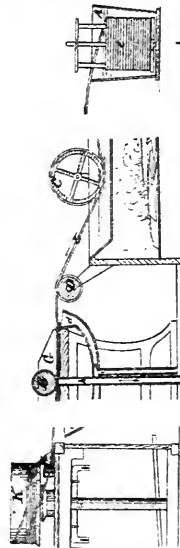


COTTON-SEED AND

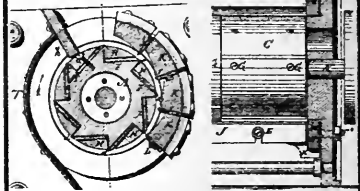
101,257, J. B. GODWIN. CORN-PLANTERS



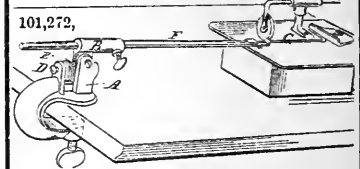
101,264, EDWIN H. HILL.  
TINNING AND GALVANIZING WIRE.



101,271, DAVID KAHNWEILER.  
HULLING-MACHINES.

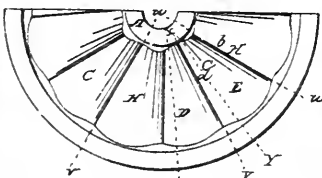


JAMES FRANKLIN KELLOGG.  
TUCK-CREASING ATTACHMENT  
FOR SEWING-MACHINE.

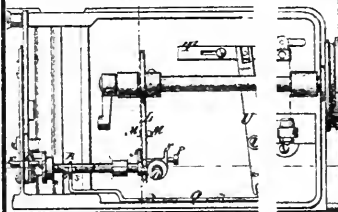


GEORGE B. GOODNOW.  
SAWS.

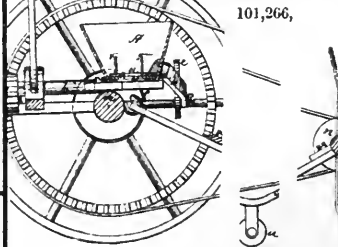
101,259, JEREMIAH D. GREEN.  
WHEEL FOR RAILWAY CARS.



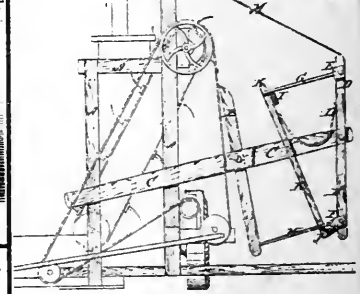
101,265, J. I. HIRSCHBUHL.  
SEWING-MACHINES.



101,266, JONAS HOUSE.  
COMBINED SEEDER AND HAY-TEDDER.



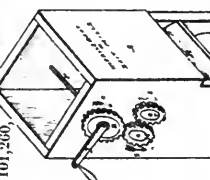
101,273, N. S. KETCHUM.  
HARVESTER-DROPPERS.



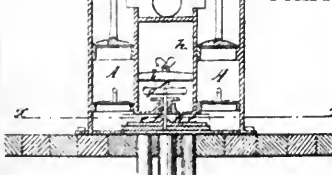
101,274, JOSEPH KING.  
CHARLES S. GOULD. NECK-YOKES.



SILVANT'S HAMBLIN  
BAIT MILL FOR  
FISHERMEN  
101,260



101,261, EVERETT C. HAMMOND  
PUMPS.



101,267, LIVERUS HULL.  
IMPROVED SPRING-BED.



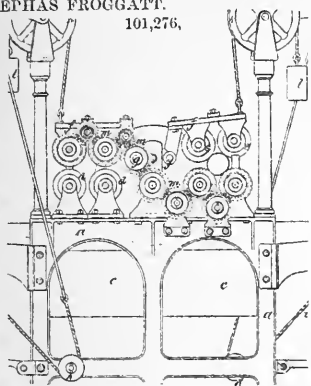
101,275, ROYAL G. KINER.  
WRAPPER FOR SEEDS.



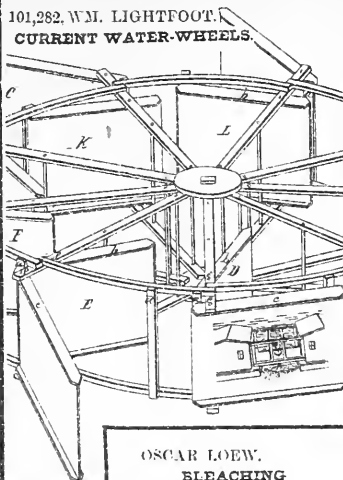


JAMES KIRK. MACHINES FOR FELTING.  
SAMUEL SHELMEKDINE. HAT-BODIES.  
CEPHAS FROGGATT.

101,276,



101,282, WM. LIGHTFOOT.  
CURRENT WATER-WHEELS.

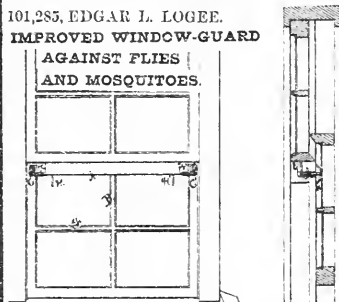


OSCAR LOEW.  
BLEACHING

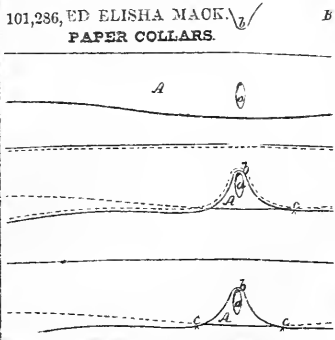
101,283, DARE SOAPS AND "FOOTS."

101,284, OSCAR LOEW.  
BLEACHING AND REFINING OILS.

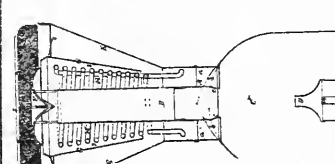
101,285, EDGAR L. LOGEE.  
IMPROVED WINDOW-GUARD  
AGAINST FLIES  
AND MOSQUITOES.



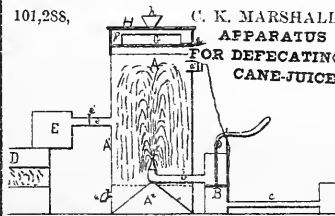
101,286, ED ELISHA MACK.  
PAPER COLLARS.



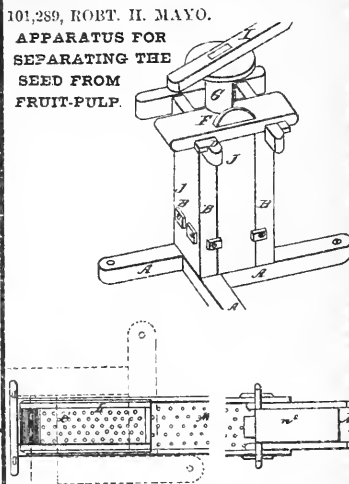
101,287, I. P. MAGOON. FEED-WATER  
HEATER FOR LOCOMOTIVES.



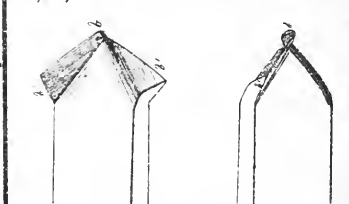
101,288, C. K. MARSHALL.  
APPARATUS  
FOR DEFECCATING  
CANE-JUICE.



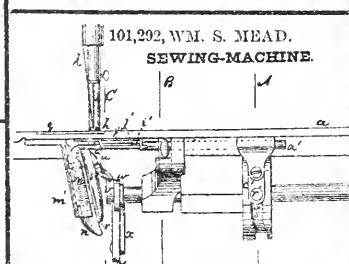
101,289, ROBT. H. MAYO.  
APPARATUS FOR  
SEPARATING THE  
SEED FROM  
FRUIT-PULP.



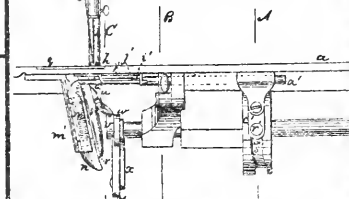
101,290, WM. D. McCLURE. STONE-DRILLS.



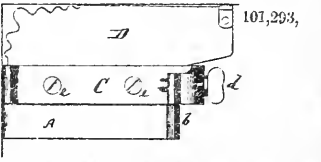
101,291, HUGH McDONALD.  
MANUFACTURE OF CAST-STEEL.



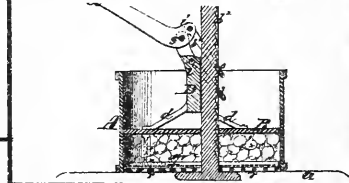
101,292, WM. S. MEAD.  
SEWING-MACHINE.



MICHAEL MEANY. CORNICE-MOLD.  
JOHN MCGINNIS.  
WILLIAM CUNNINGHAM.



101,294 W. D. MEDBERY.  
PRESS AND STRAINER COMBINED.

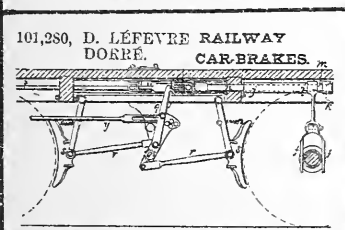


101,295, GEO. H. MELLEN.  
CHILDREN'S  
CARRIAGES.

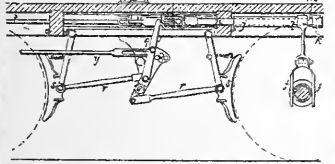


IMPROVED MEDICAL COMPOUND.

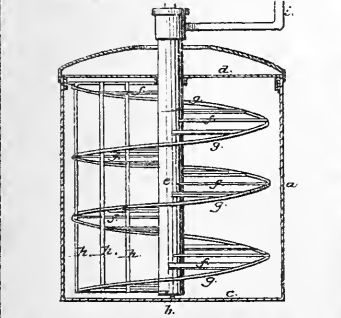
101,279, PHILESTER LEE.  
LEMUEL MATTHEWS.



101,280, D. LÉFÈVRE RAILWAY  
DORRE. CAR-BRAKES.

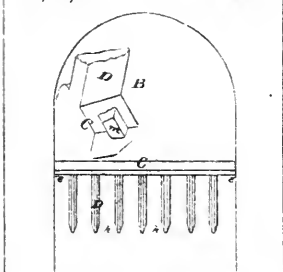


101,281, CHARLES LEHMANN. IMPROVED  
STIRRER AND EGG-BEATER.

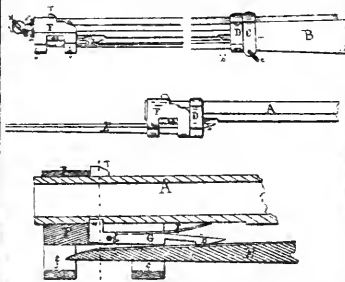




E. D. MERRICK. FIRE-PLACE  
101,296, A GRATE.



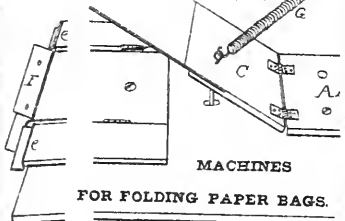
101,297, ANSON MILLS, BAYONETS.



101,298, EDWARD MILNER.  
SLEIGH-BENCHES.

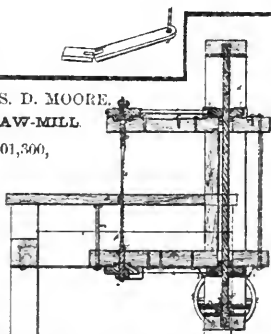


G. J. MOFFATT.  
101,299,

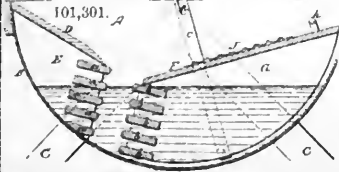


MACHINES  
FOR FOLDING PAPER BAGS.

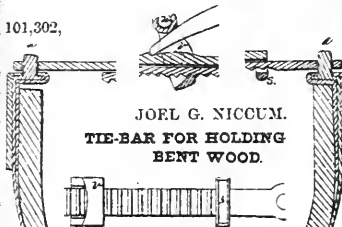
CHAS. D. MOORE.  
SAW-MILL  
101,300,



D. F. NEIKIRK. IMPROVED WASHING-  
JOHN J. KOCH. MACHINE

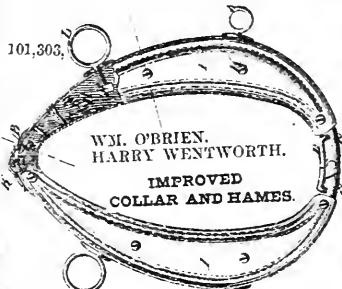


101,302,



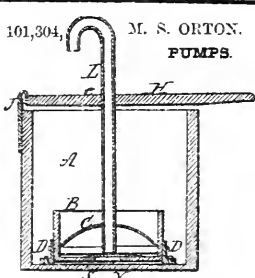
JOEL G. NICCUM.  
TIE-BAR FOR HOLDING  
BENT WOOD.

101,303,



WM. O'BRIEN.  
HARRY WESTWORTH.  
IMPROVED  
COLLAR AND HAMES.

101,304,



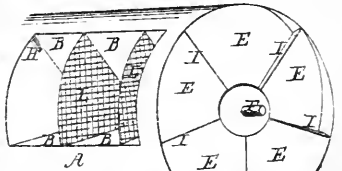
M. S. ORTON.  
PUMPS.

101,305, H. C. S. OTTO, DR.

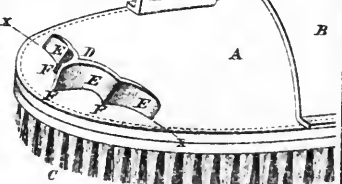
IMPROVED MEDICAL COMPOUND.

101,306, HENRY M. PAINE.

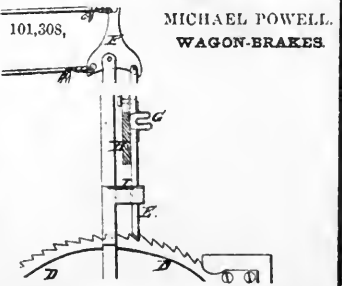
ROTARY HYDRO-PNEUMATIC PUMPS



101,307, SAMUEL PEARSON.  
ATTACHMENT  
FOR BRUSHES



101,308,



MICHAEL POWELL.  
WAGON-BRAKES.

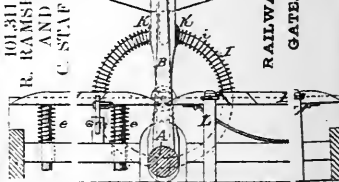
101,309, ELI S. PRIME. GAUGE-RODS.



101,310, FRED. L. PURROY.  
VELOCIPÈDE.



101,311  
R. RAMSEY  
AND  
C. STAFFORD



RAILWAY  
GATE.

101,312, N. C. REYNOLDS.

BOAT-DETACHING  
APPARATUS.

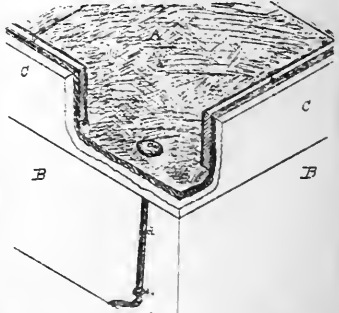


D. S. ROBINSON.  
CHIMNEY-TOPS.

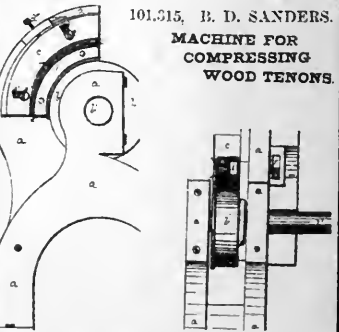


101,313,

101,314, B. D. SANDERS.  
COMPOSITION ROOFING.

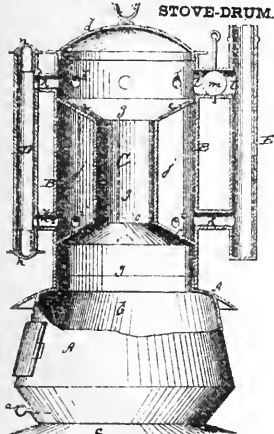


101,315, B. D. SANDERS.  
MACHINE FOR  
COMPRESSING  
WOOD TENONS.



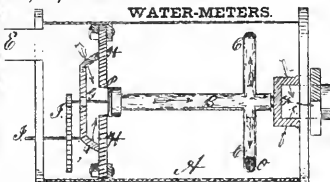
101,316, THOMAS SCANTLIN.

STOVE-DRUM.



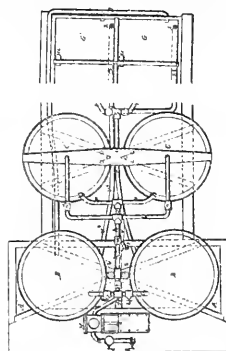
101,323, GEORGE W. SMITH.

WATER-METERS.



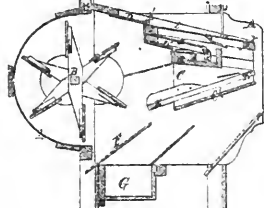
101,331, ZEBARD THOMPSON WHITE.

APPARATUS FOR TANNING HIDES.



101,324, MYRON H. SMITH.

GRAIN-SEPARATORS.



101,332, JOHN L. WHITING.

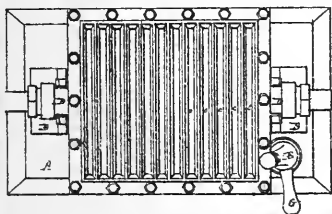
IMPROVED BRUSH.



101,317,

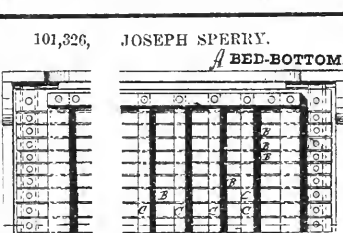
CASPAR SCHMITT.  
PESSARIES.

ABRAHAM SCHOENBERG

101,318, MOLDS FOR  
CASTING SOLDER, &c.

101,325, JACOB H. SMYSER.

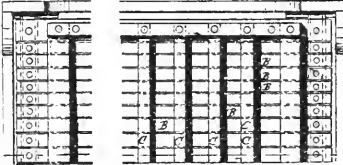
LUBRICATING COMPOUNDS



101,326,

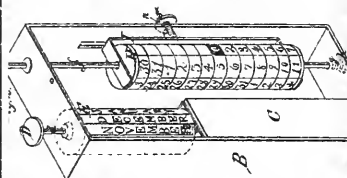
JOSEPH SPERRY.

BED-BOTTOM



101,333, CHARLES H. WIGHT.

HAND-SETTING CALENDARS.



101,319, THEODORE SCHWARTZ.

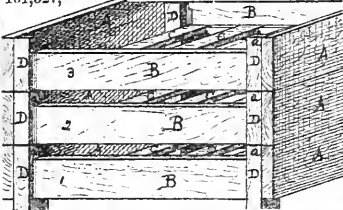
PROCESS OF OBTAINING  
ACETIC ACID FROM WOOD.

101,320, THEODORE SCHWARTZ.

TREATING WOOD  
TO OBTAIN USEFUL PRODUCTS.

SAMUEL SPRINGER.

101,327, IMPROVED BED-FRAME.

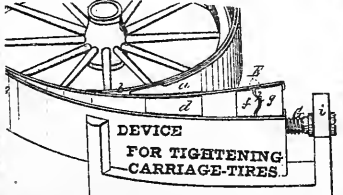
101,328, JOHN M. VEASEY. CASTERS  
FOR SEWING-MACHINES.

101,329, JOHN L. WARREN.

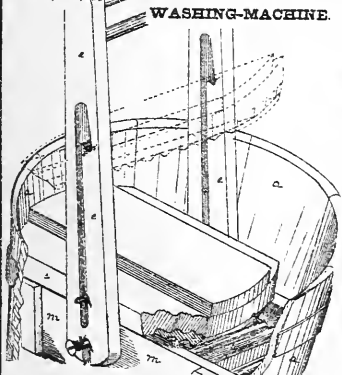
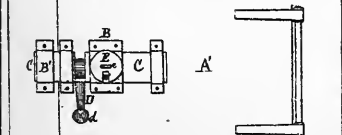
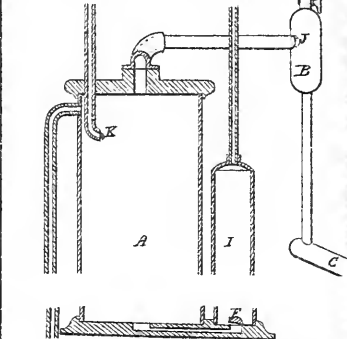
OVAL-TURNING TOOL.



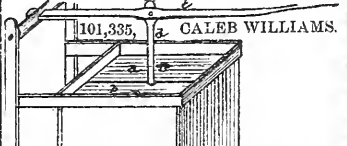
101,330, JONATHAN BURNS WEST.

DEVICE  
FOR TIGHTENING  
CARRIAGE-TIRES.

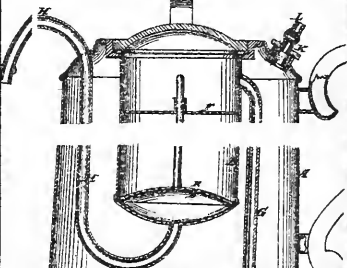
101,321,

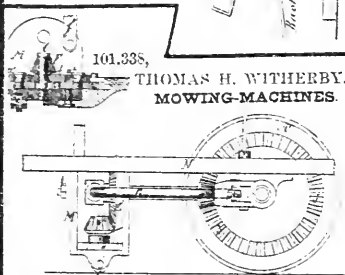
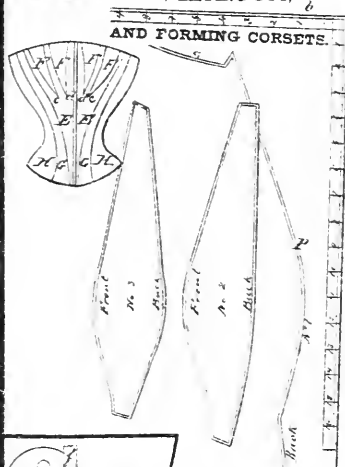
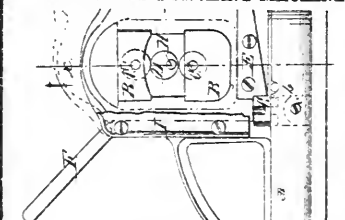
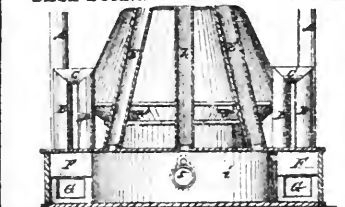
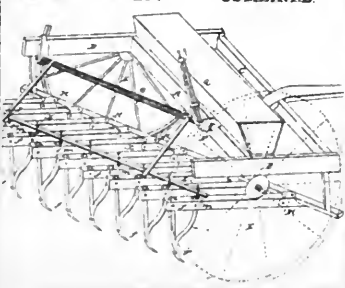
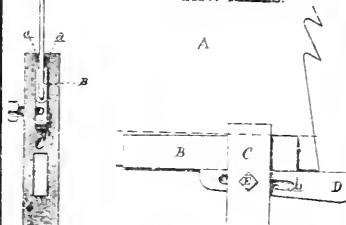
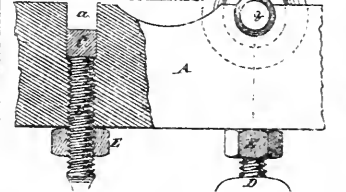
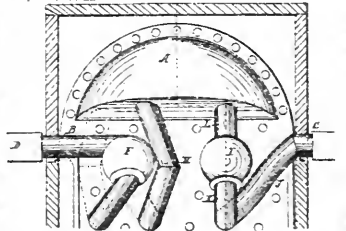
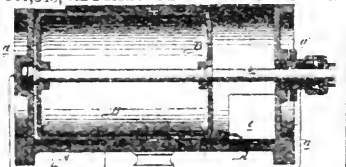
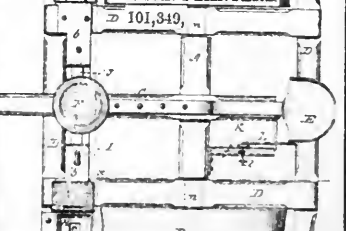
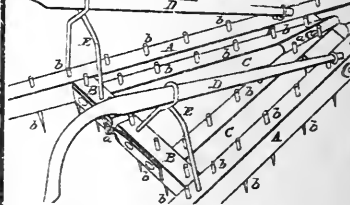
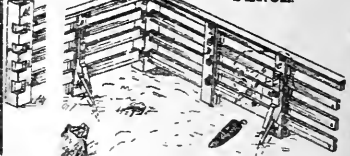
ANNA M. SMITH.  
WASHING-MACHINE.101,322, C. J. SMITH. BOLTS FOR  
SAFETY-STOVES FOR CARS.101,334, JOSEPH C. WIGHTMAN.  
STEAM WATER-ELEVATOR.

IMPROVED WASHING-MACHINE.

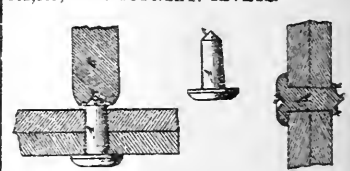
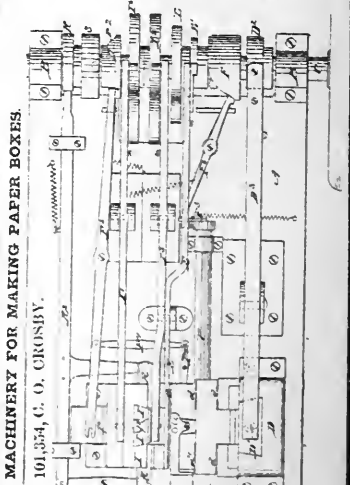
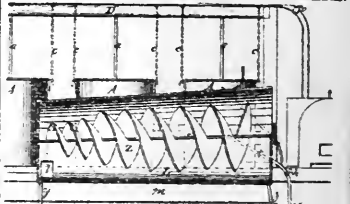


101,336, JOHN P. WILLIAMS. COFFEE-POT.

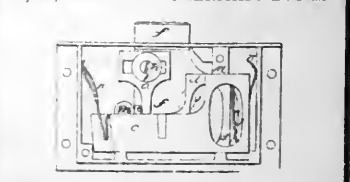


101,337, MOLLIE WILLIAMS. DEVICES  
FOR MEASURING, LAYING OUT,101,339, THOMAS H. WITHERBY.  
SHEARING AND PUNCHING-MACHINE.101,340, LOUIS WOLFF.  
LINIMENT FOR BURNS, SCALDS, &c.101,341, WM. E. WOOD.  
BASE BURNING FIRE-PLACE-STOVE.101,342, NELSON E. ALLEN.  
ISRAEL B. RECORD. SEEDER  
JAMES ROOD. AND CULTIVATOR  
JASPER HAYDEN. COMBINED.101,343, EMANUEL ANDREWS.  
SAW-MILLS.101,344, WM. N. BARTHOLOMEW.  
PENCIL-CASES.101,345, GEO. S. BARTON THE BEARINGS  
FOR THE TABLE-ROLLS  
OF FOURDRINIER PAPER-  
MACHINES.101,346, ALBERT BETTELEY.  
WOOD PAVEMENTS.NATH. L. BLANCHARD.  
101,347, WATER AND GAS-METERS.SAMUEL REEVE BRICK. EXHAUSTING  
101,348, APPARATUS FOR GAS-WORKS.TRUMAN BROCKWAY.  
CORN-PLANTERS  
101,349,101,350, JACKSON G. BURCHAM  
HARROWS.101,351, TIMOTHY COFFIELD  
FENCE.

101,352, H. E. COPELEY. RIVETS.

101,353, JAS. E. COX. APPARATUS  
FOR KEEPING PURE THE AIR IN  
THE MANUFACTURE OF FERTILIZERS.

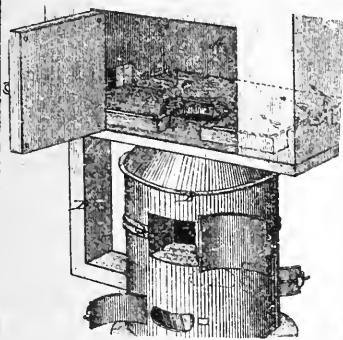
101,355, CHAS. C. DICKERMAN. LOCKS.



101,356,

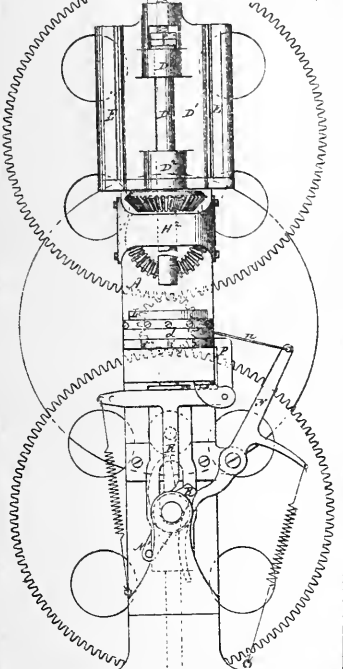
ELLIS DOTY.  
H. RICHARDSON.MACHINE  
FOR SHEARING METAL

101,357, McCANN DUNN. OVEN.



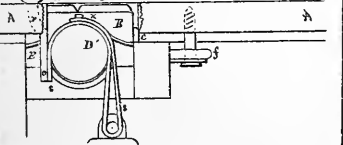
101,358, JOHN C. FORD.

PLUMBAGO-PRESS.



101,359, C. T. FORREST.

WATER-CLOSET VALVES.

101,360, WILLIAM H. FORTNEY.  
WILLIAM E. SHEAFFER.

SHOE-FASTENINGS.



101,361,

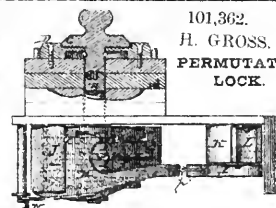
ANN L. H. GRAHAM.

BROILER.

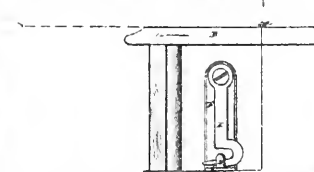


101,362.

H. GROSS.

PERMUTATION  
LOCK.

101,363, THOS. HALL.

IMPROVED COVER FOR  
SEWING-MACHINES.101,364 SAMUEL A. HILL.  
CHAS. F. THUMM.

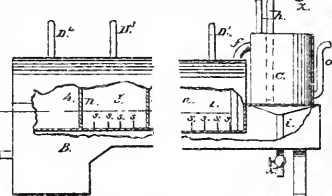
STILLS FOR HYDROCARBONS.



101,365, CHAS. F. THUMM.

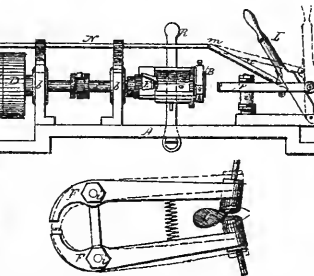
SAMUEL A. HILL.

STILLS FOR HYDROCARBONS



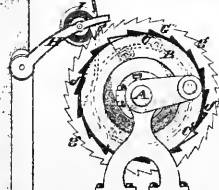
101,366, MERRIT HINE.

MACHINE FOR THREADING BOLTS.



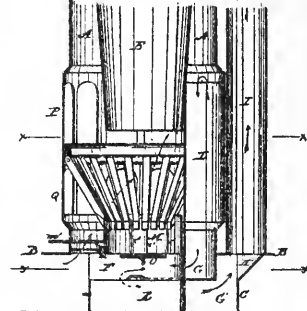
101,367, GEORGE JOHNSON.

HOISTING-MACHINE.



101,368, WILLIAM J. KEEP.

BASE-BURNING STOVE.

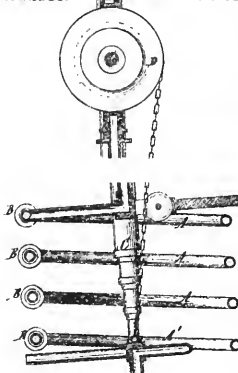


101,369,

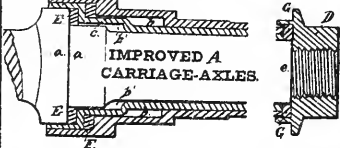
HENRY KRÜGER.

EXTENSION

GAS-FIXTURES.

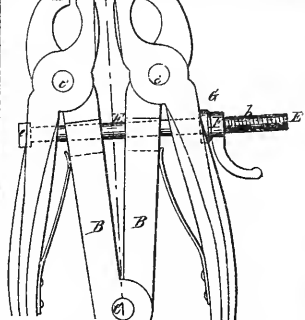


101,370, F. G. A. LLOYD.

IMPROVED A  
CARRIAGE-AXLES.

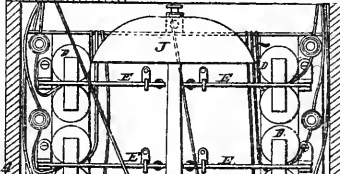
101,371, W. L. MAUND. IMPROVED

DOUBLE PINCERS.

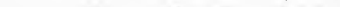


101,372, WM. N. McINNIS.

ELECTRO-MAGNETIC ANNUNCIATORS.

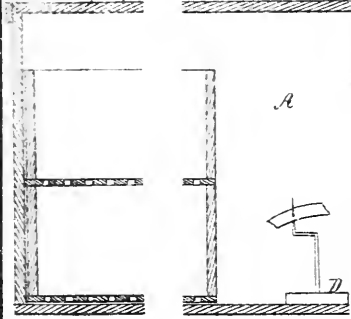


101,373 D. M. MEFFERD.

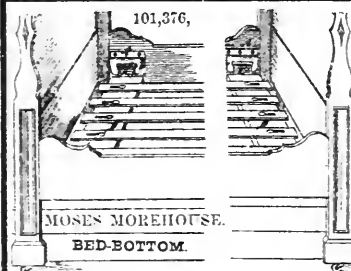
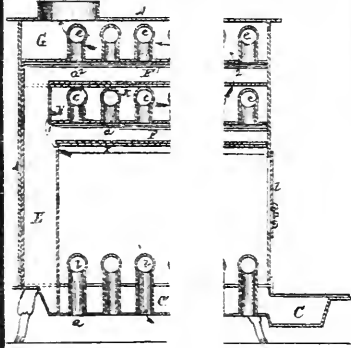
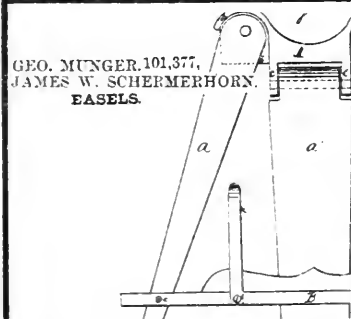
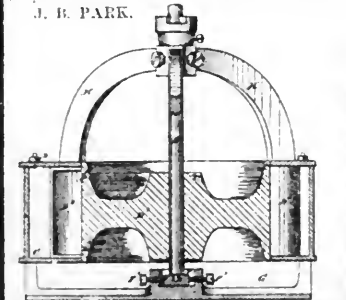
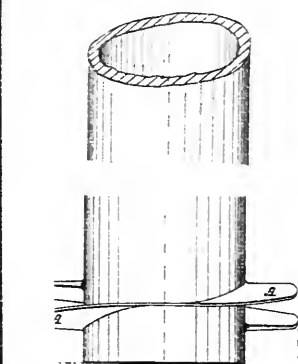
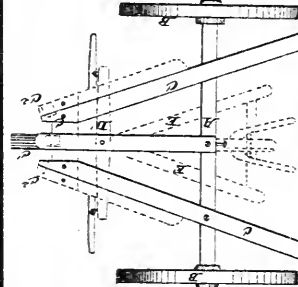
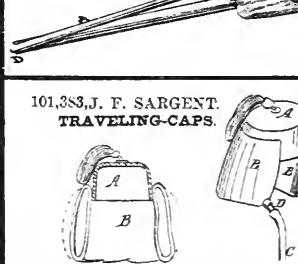
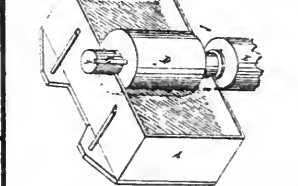
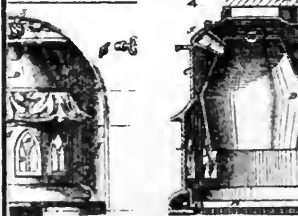
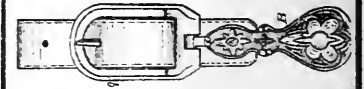
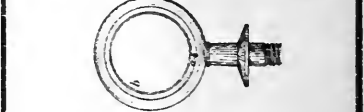
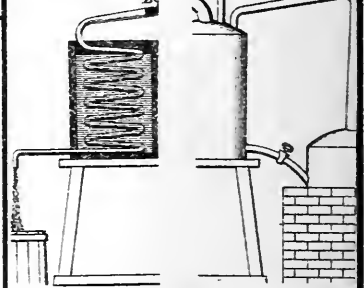
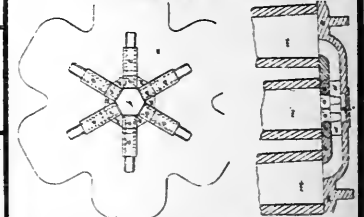
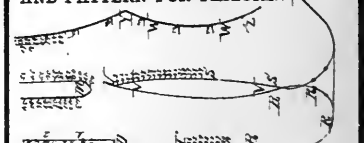
PRESERVING VEGETABLES.  
FRUITS, &c.

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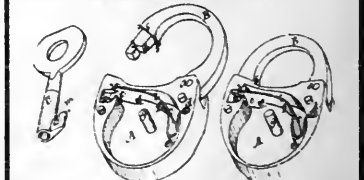
101,374.



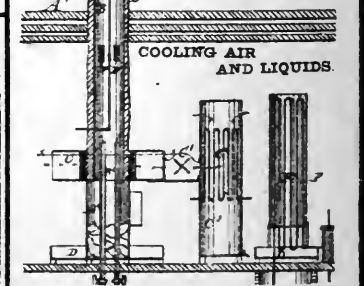
101,375, JAMES MOORE. HEATING-STOVE.

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BED-BOTTOM.GEO. MUNGER, 101,377,  
JAMES W. SCHERMERHORN.  
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101,391, DANIEL SNELL. PADLOCKS.

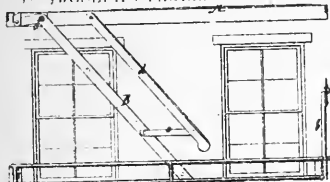


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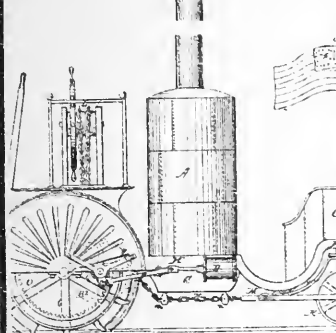


101,393, JOSEPH STEGER. FIRE-ESCAPE



101,391 C. A. STEVENS. PACKING JOURNALS, AND OTHER PARTS OF MACHINERY

101,395, AUGUSTIN L. TAVEAU. STEAM-PLOWS.

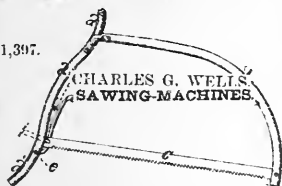


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101,397.

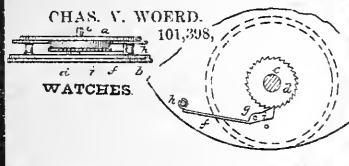
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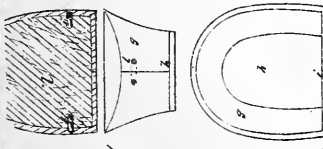
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101,398.

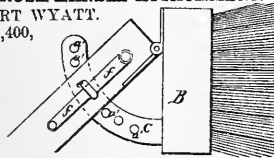
WATCHES



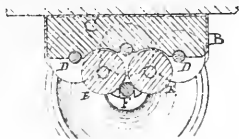
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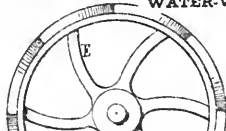
BRUSH-HANDLE ATTACHMENT. ROBERT WYATT. 101,400.



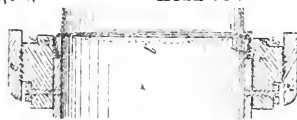
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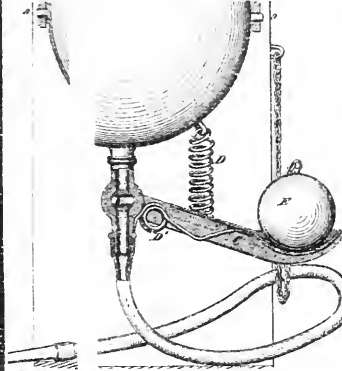
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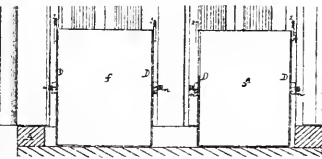
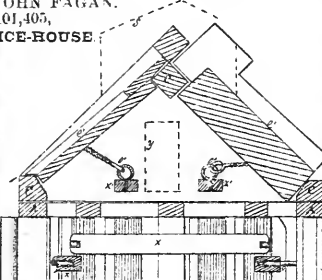
CHARLES H. CUSHMAN. 101,403. HOSE-COUPPLINGS.



H. C. STEWART. R. T. BRADLEY 101,404. AUTOMATIC FIRE-EXTINGUISHER FOR USE ON RAILROAD CARS, &amp;c.

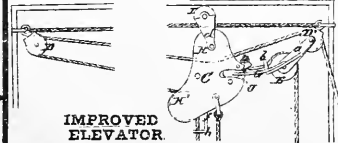


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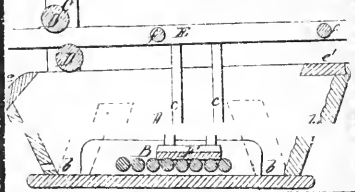
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101,407, HIRAM C. STOFFER.

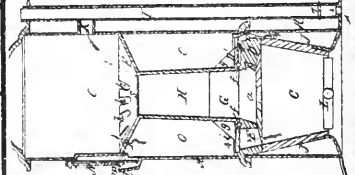


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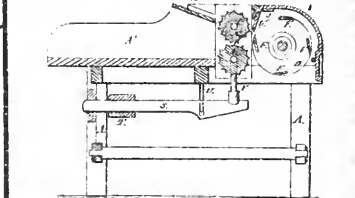
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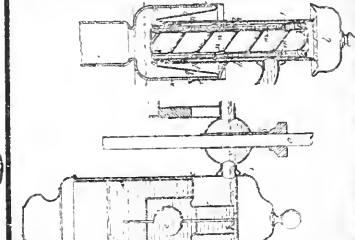
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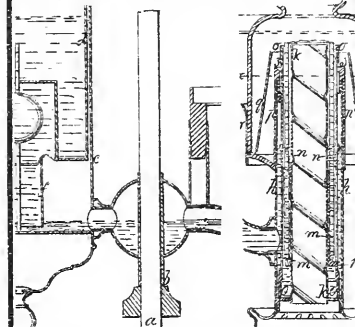
3,898 JAMES PALMER. STRAW-CUTTERS



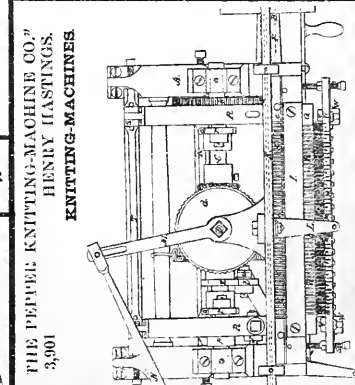
JAMES WILSON, 3,899. CHARLES F. NUDGE. PUMP-PISTONS.



3,900, C. A. KLEEMANN. LAMP.



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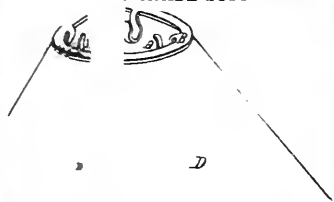


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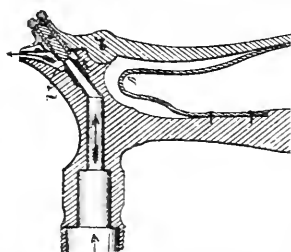
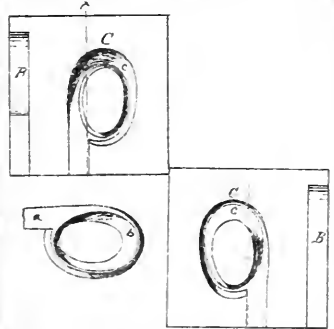
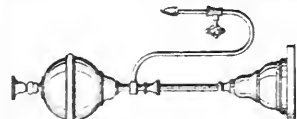
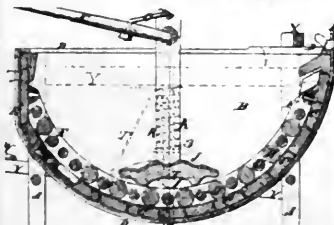
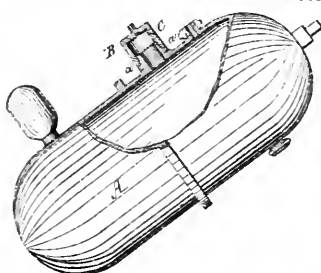
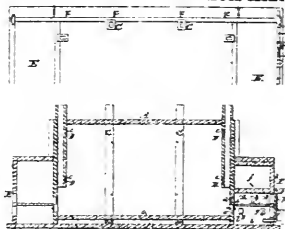
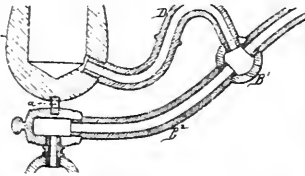
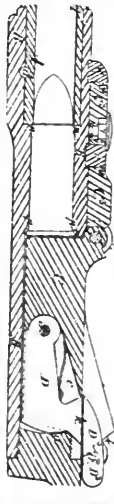
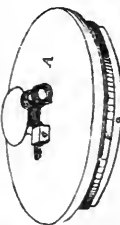
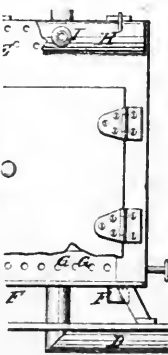
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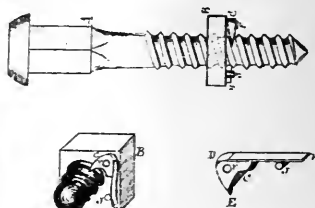
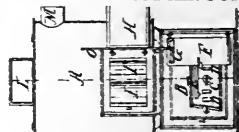
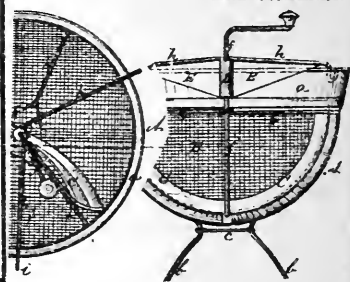
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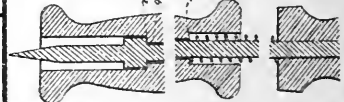
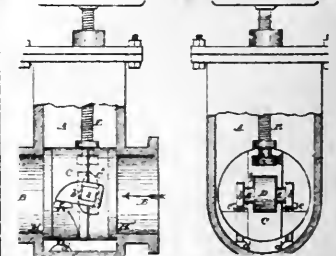
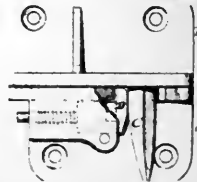
101,410, JOHN ASHCROFT. FAUCETS.

101,411, RICHARD MEADE BACHE.  
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101,422, LANSING BONNELL.  
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101,424, EDWARD BROWN. ICE-PICK.

101,425, SILAS H. BROWN.  
STOP-VALVES101,426, THOS. S. BROWN.  
FLASK-GUIDES.

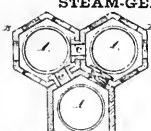
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LAMP-WICK FEEDERS.



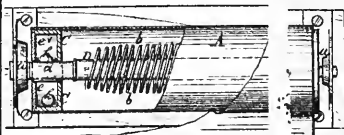
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STEAM-GENERATORS.



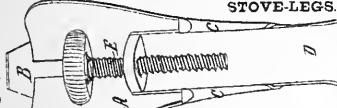
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WINDOW-SHADE FIXTURE.



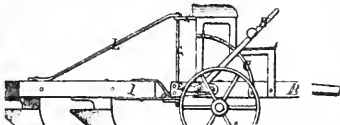
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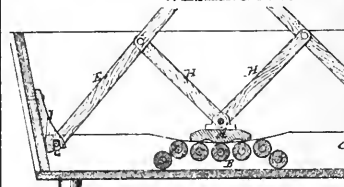
101,435, JOHN H. COLE.

SULKY-FLOWS.



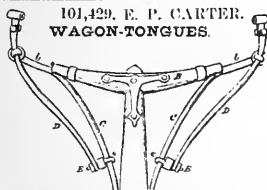
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WASHING-MACHINE.

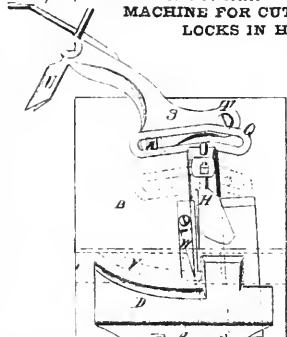


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WAGON-TONGUES.

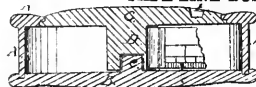


101,436, THEODORE CONKLIN.

MACHINE FOR CUTTING  
LOCKS IN HOOPS.

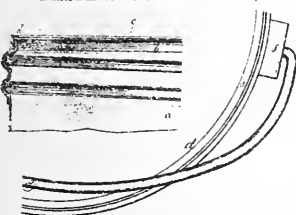
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TAPE-LINE BOXES.



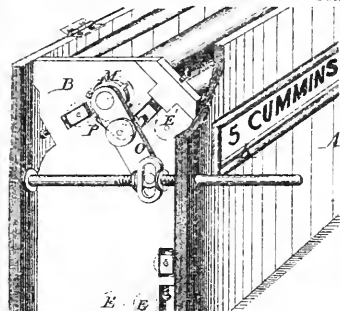
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FASTENINGS FOR PAILS, CANS.

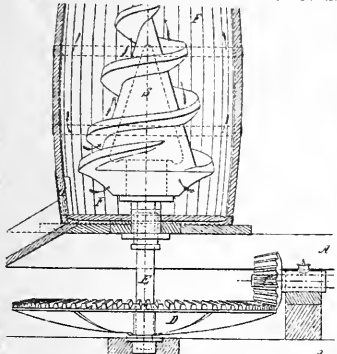


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RAILROAD-STATION INDICATOR.

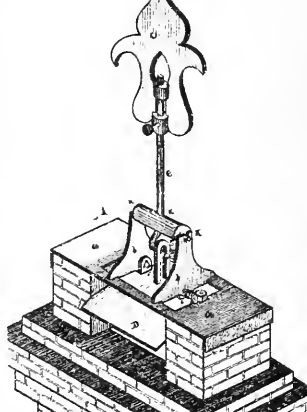


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CYRUS CHAMBERS.  
MACHINES FOR GRINDING SCREWS.

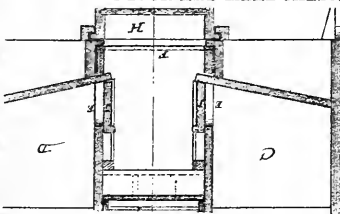
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CHIMNEY-COWL.



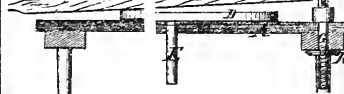
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FLOUR AND MEAL-CHEST.



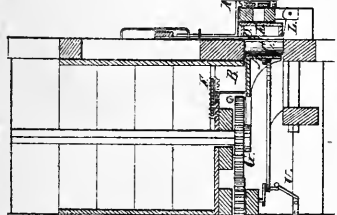
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BUTTER-WORKER.

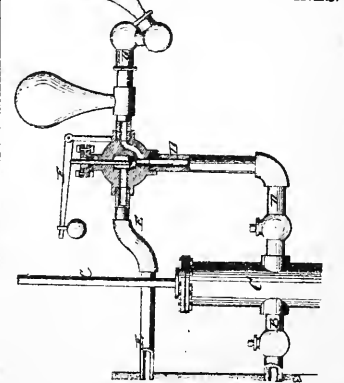


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BRICK-MACHINES.

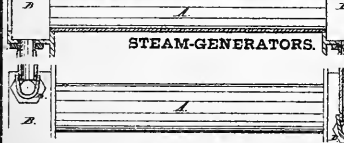
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BENN AINSWORTH.  
GEORGE W. SCOTT.

HYDRAULIC ENGINES.



101,433, JONATHAN M. CLARK.

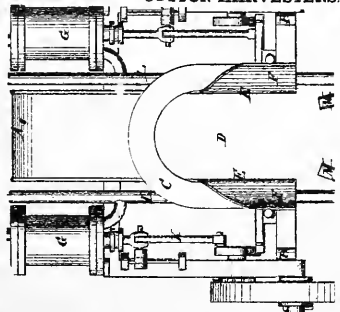
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DAVID SCOTT, JR.

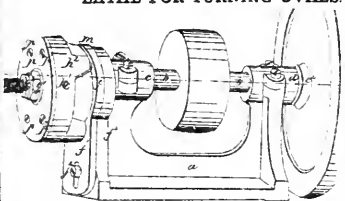
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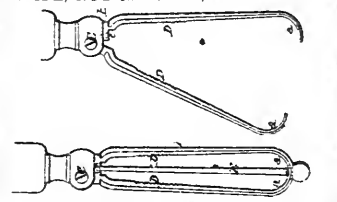
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RUFFLING-ATTACHMENT FOR  
SEWING-MACHINE.



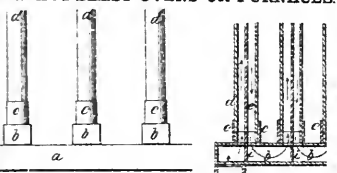
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LATHE FOR TURNING OVALS.



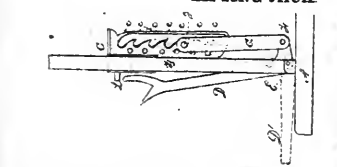
101,448, GEORGE A. FAIRFIELD.  
KNIFE, NUT-CRACKER, AND PICKER.



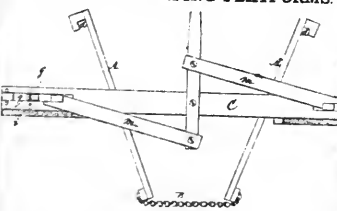
101,449, E. M. FERGUSON.  
IN HOT-BLAST OVENS OR FURNACES.



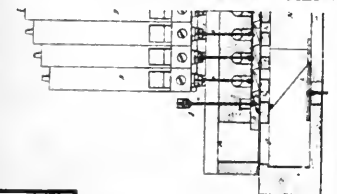
101,450, LEVI W. FIFIELD.  
LIFTING-JACK



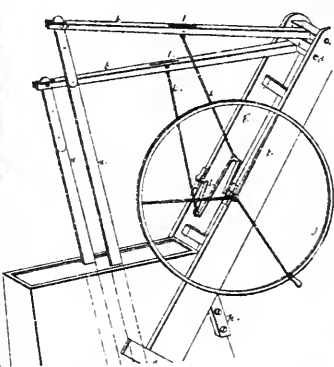
101,451, R. M. FISH.  
DUMPING-PLATFORMS.



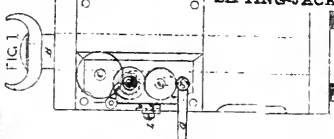
101,452, CARL FOGELBERG.  
MELODY-ATTACHMENT.



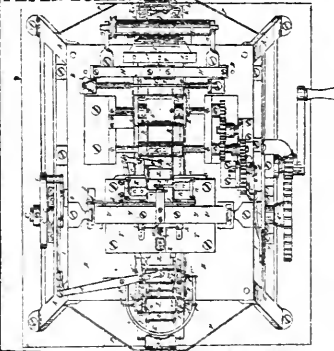
101,453,  
ALBION W. FOSTER.  
CHURNS.



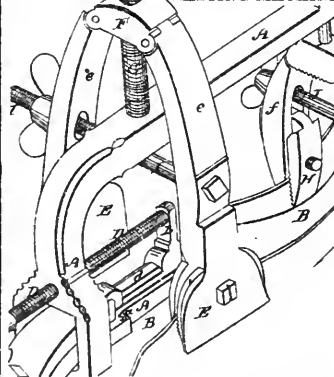
101,454, LEON PAUL GARCIN.  
LIFTING-JACK



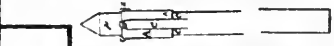
101,455, FREDK GATES.  
MACHINERY FOR MAKING  
PAPER BOXES.



101,456,  
KARL GRASSAU.  
LASTING-MACHINE.



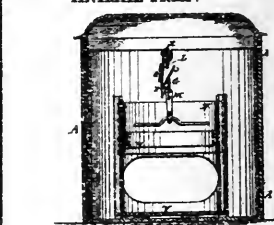
101,457,  
ANNIE J. HALL. PENCIL-HOLDERS



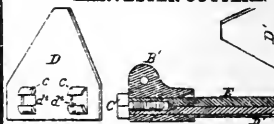
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THOMAS S. HARRISON.  
DRIER.



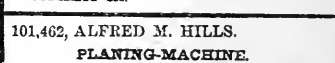
101,459, EDER E. HAUGHWOUT.  
ANIMAL-TRAP.



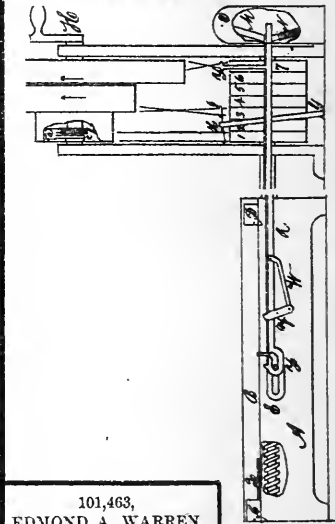
101,460, IRA A. HEBBARD.  
HARVESTER-CUTTERS.



101,461, J. HEROLD. WATER PROOF  
COMPOSITION FOR HARNESS,  
LEATHER, &c.



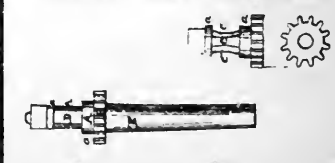
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PLANING-MACHINE.



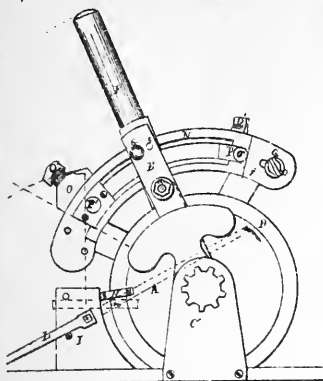
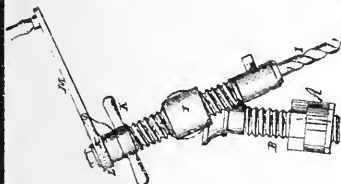
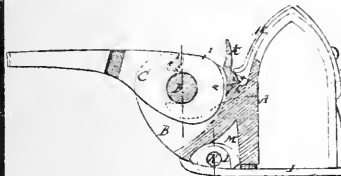
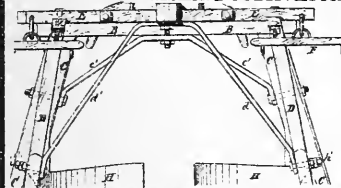
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EDMOND A. WARREN.  
WILLIAM C. HORNFAGER.  
RECLINING-CHAIR.



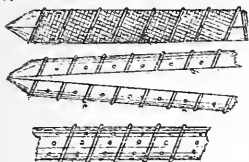
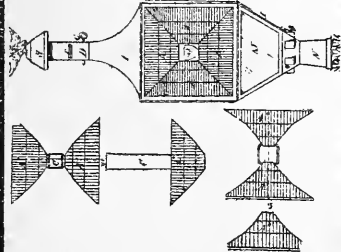
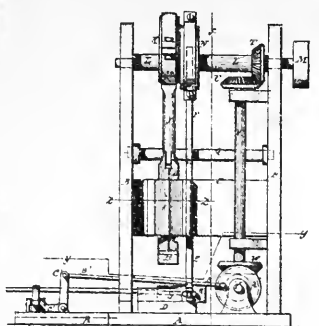
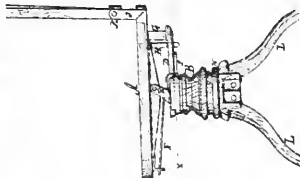
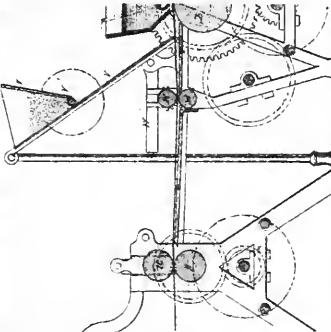
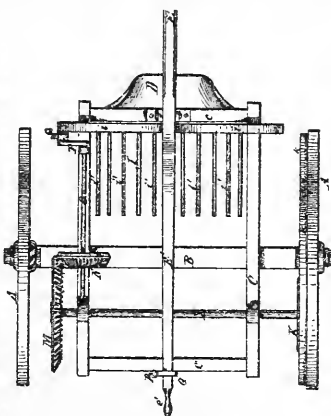
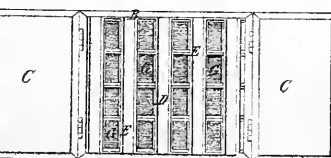
101,464, ELIAS H. HULL.  
CANNON-PINION FOR WATCHES.



101,465 E. H. HULL. SAW-MILLS.

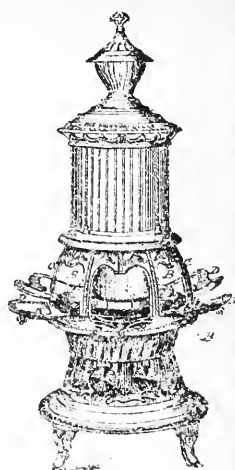
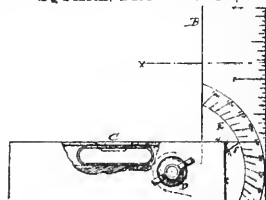
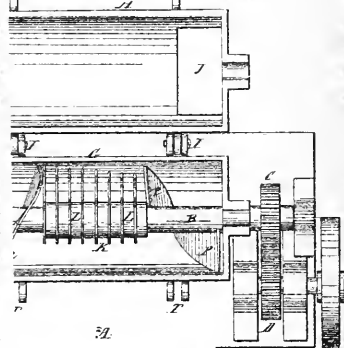
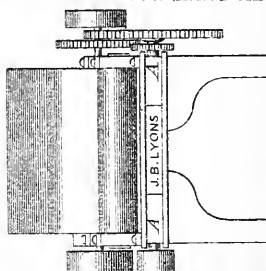
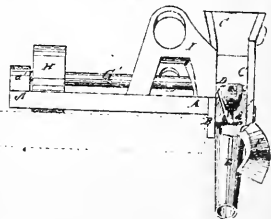
101,466, JAS. E. HUNTER.  
HAND DRILLING-MACHINE.LEONARD A. JOHNSON.  
101,467, CARRIAGE-CLIP.101,468, BENJAMIN JOHNSTON.  
FINISHING-CULTIVATOR.

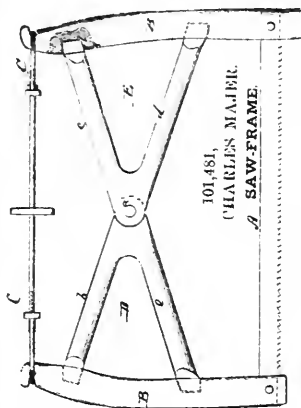
101,469, C. C. JONES. WELL-POINTS.

101,470, ABRAHAM KEEFER GRIM.  
AUSTIN D. MOORE.  
REFLECTORS FOR STREETS.101,471, C. W. KENNEDY.  
STAPLE MACHINE101,472, WM. B. KIMBALL.  
FOLDING CONVERTIBLE CHAIR101,473, SAMUEL KINGAN,  
MACHINES FOR THE MANUFACTURE  
OF FELTED FABRICS FOR ROOFING.101,474, MELVIN W. KNOX.  
POTATO-DIGGERS.101,475, GEO. D. LEONARD.  
COUNTER SHOW-CASE.

101,476, D. G. LITTLEFIELD.

BASE BURNING STOVE

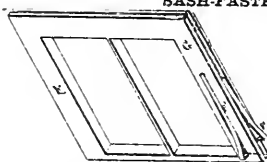
101,477, J. A. LITTLEFIELD. COMBINED  
SQUARE, PROTRACTOR, LEVEL.101,478, CHARLES LUXTON.  
PEAT-MACHINES.101,479, JAS. B. LYONS. MACHINE FOR  
SCOURING AND BURNISHING METALS.101,480, J. T. MACOMBER.  
HAND SEED-PLANTER.



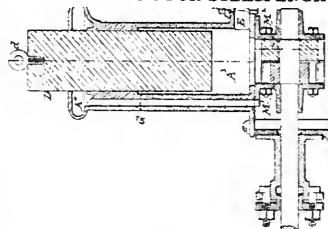
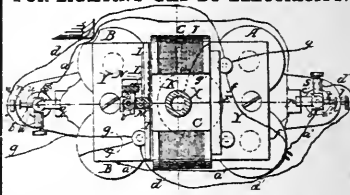
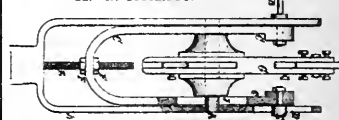
101,481,  
CHARLES MAJIEL.  
SAW-FRAME.

101,486, JOHN S. McGLUMPHY.

SASH-FASTENER

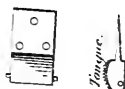
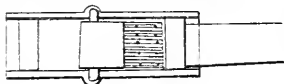
101,487, H. D. McMASTER.  
ABRAHAM DALE

GOVERNOR FOR STEAM-ENGINE.

101,491, WALTER J. MORRIS.  
WM. J. REID.APPARATUS  
FOR LIGHTING GAS BY ELECTRICITY.101,492, L. MORRISON, SAW-HANGING.  
A. G. HARMS.

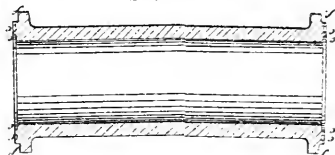
101,482, MATTHIAS MARVIN.

SELF-TIGHTENING BUCKLE.

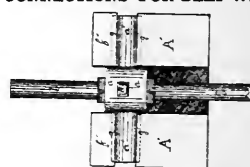


101,488, WILLIAM MENDHAM.

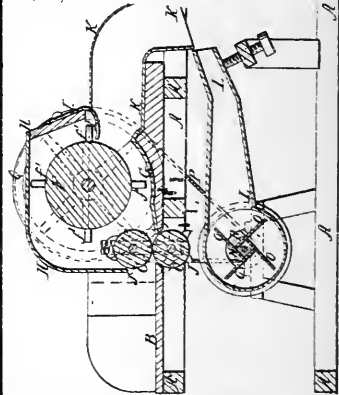
STEAM-HEATING PIPES.



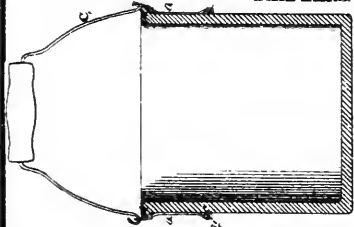
101,493, MARCELLUS A. MORSE.

WALKING-BEAM AND SUCKER-ROD  
CONNECTIONS FOR DEEP WELLS.

101,494, MYRON MOSES, HOP-PICKER.

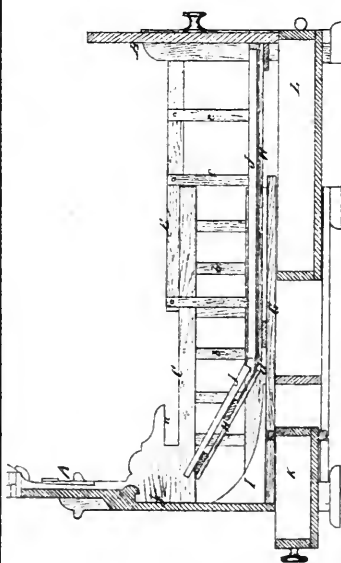
101,483, WILLIAM D. MASON.  
ARTHUR T. RICE.

BAIL-EARS.



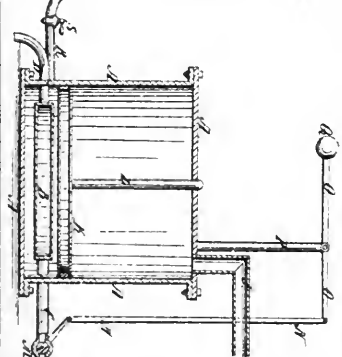
101,489, FREDR. MENZER.

EXTENSION BED.



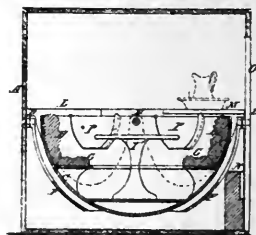
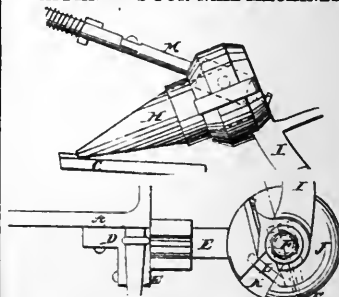
101,484, MORTON S. McATEE.

WATER-ELEVATOR.



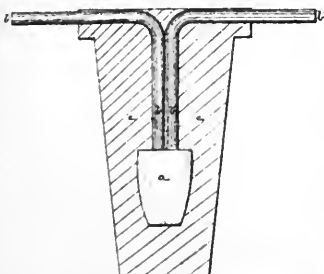
101,495, LORENZO D. NEWELL.

MARINE FURNITURE.

101,496, JAMES NOLAN, FEEDING  
APPARATUS FOR NAIL-MACHINES.

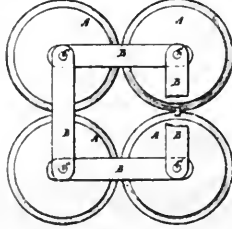
101,485, JOHN McCORD.

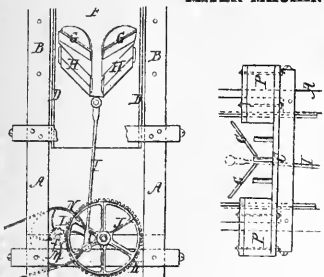
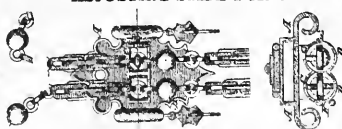
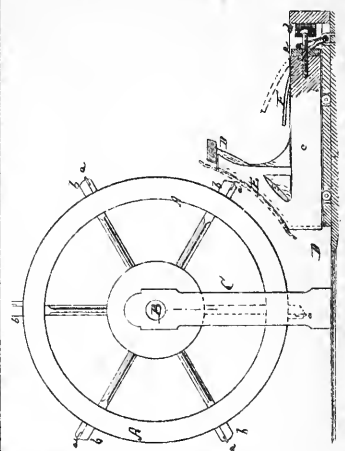
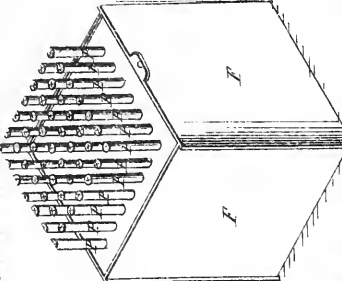
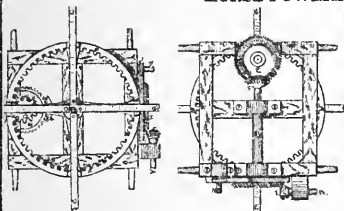
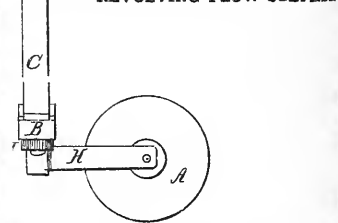
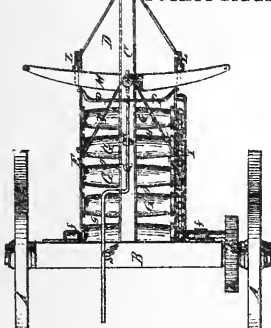
PLUNGER FOR GLASS-MOLDS.



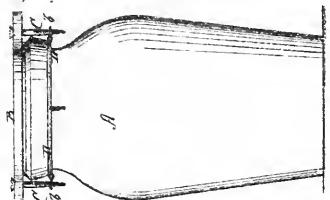
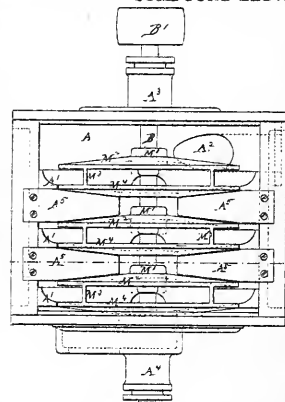
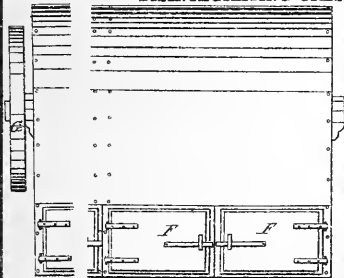
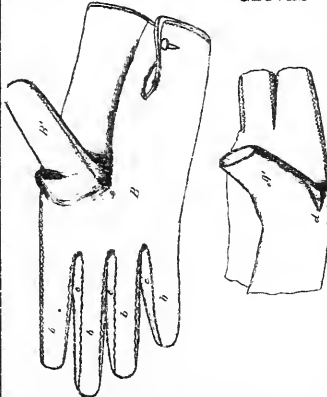
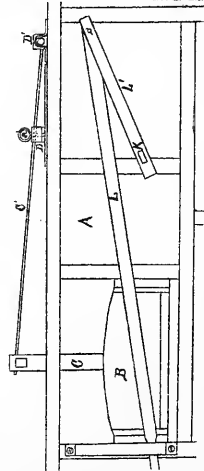
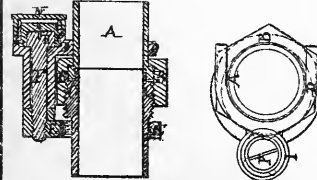
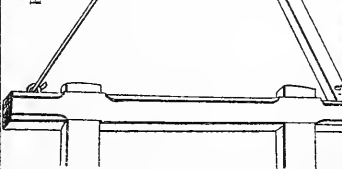
101,490, JNO. C. MILLIGAN.

BISCUIT-PAN.



101,497, JOHN NONNENBACHER.  
MITER MACHINE.101,503, ROBT. JAS. POND.  
ADJUSTING-SLIDE FOR CHAINS.101,504 W. W. PELLIS.  
MOLDING SASH-WEIGHTS.101,498, GEORGE OERLEIN.  
HORSE-POWERS.101,509 MERRITT RICHARDS.  
REVOLVING PLOW-COLTER.101,499, OLIVER PATTERSON  
POTATO-DIGGERS.

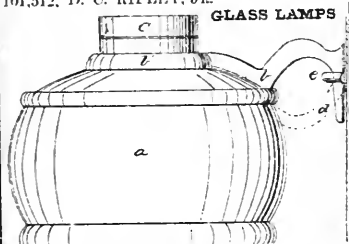
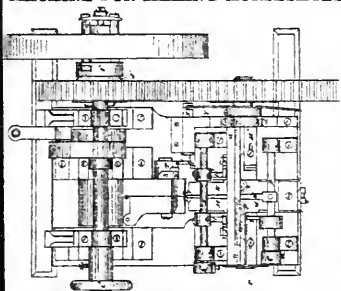
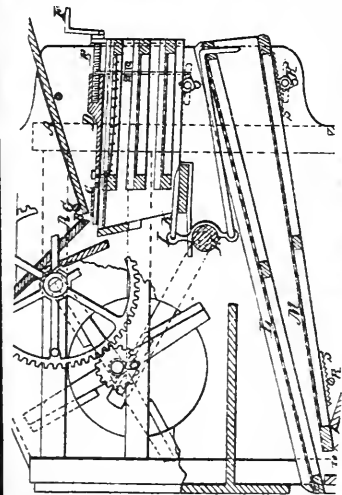
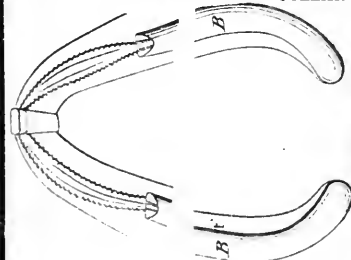
101,505, T. C. PURDY, FRUIT-JARS.

101,510, A. K. RIDER.  
COMPOUND BLOWERS.101,500, ALMARIN B. PAUL.  
APPARATUS FOR  
DISINTEGRATING ORES.101,506, JOHN H. PUTMAN.  
GLOVES.101,511, WM. RILEY.  
WASHING-MACHINE.101,501, CHARLES PERKES.  
SEALING-APPARATUS  
FOR PIPE-JOINT COUPLINGS.101,507, FRANCIS W. RANDALL.  
MODE OF SECURING  
HORSE-POWERS  
TO THE GROUND.101,502, OLIVER H. PERRY.  
WOOD-TURNING LATHES.101,508, ARCHIBALD W. REID.  
MACHINES FOR SCOURING  
AND SETTING OUT LEATHER.

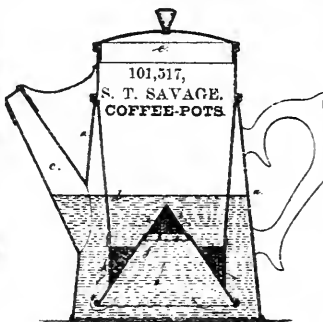
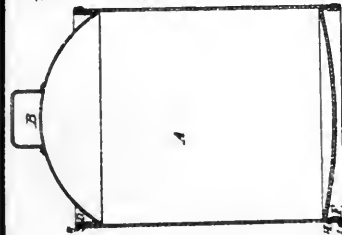
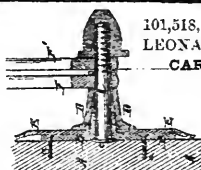
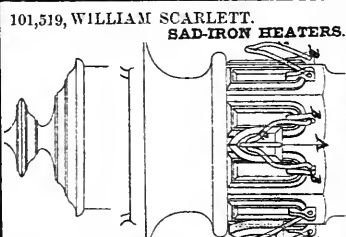
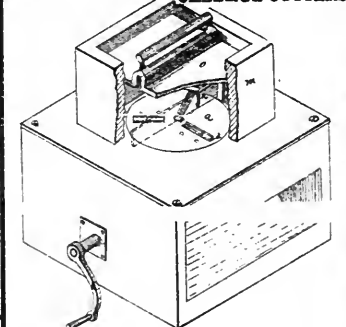
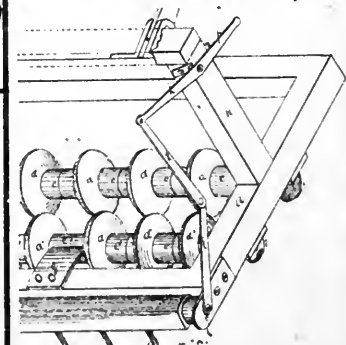


101,512, D. C. RIPLEY, JR.

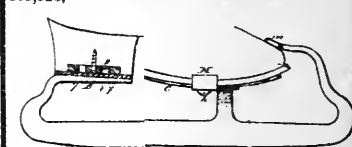
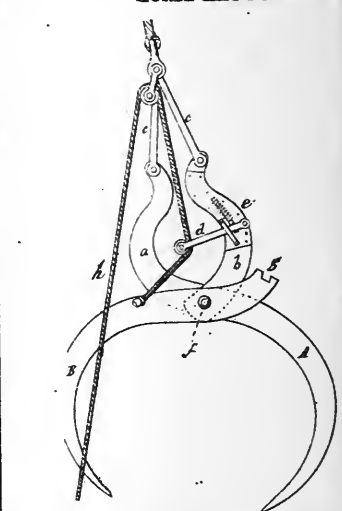
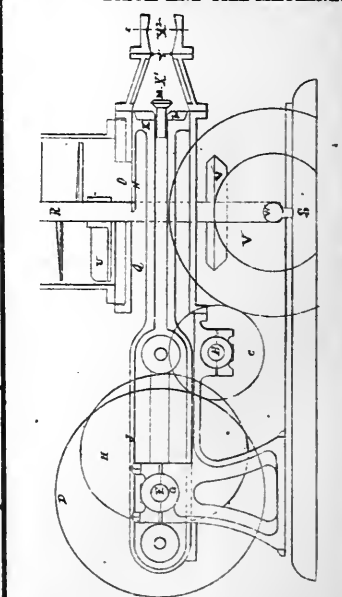
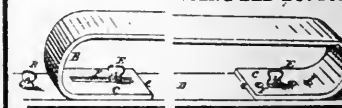
GLASS LAMPS

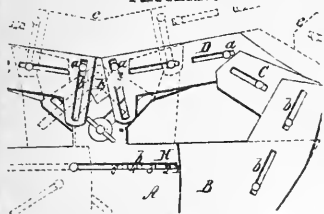
101,513, L. D. ROBERTS.  
MACHINE FOR MAKING HORSESHOES.101,514, J. L. RUNE. FANNING-MILLS.  
B. H. THARP.101,515, HENRY SANDERS.  
HORSE-COLLAR

101,516, HUGH SANGSTER TIN PAILS.

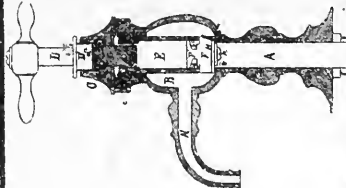
101,517,  
S. T. SAVAGE.  
COFFEE-POTS101,518,  
LEONARD SAWYER.  
CARRIAGE-PROP.101,519, WILLIAM SCARLETT.  
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JOHN D. SCHAUB.  
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CARRIAGE-AXLES.101,522, JOHN SCHROEFFEL.  
WILLIAM DELL.  
HARROW AND EARTH-CUTTER.

101,523, GEO. V. SCOBEE. SKATES.

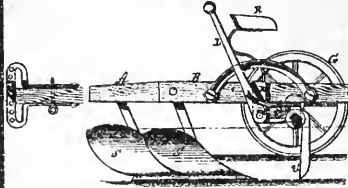
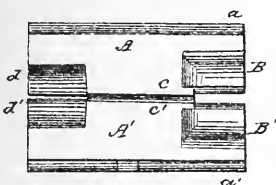
101,524, E. U. SCHOVILLE.  
HORSE HAY-FORKS101,525, GEORGE SCOTT.  
BRICK AND TILE-MACHINES.101,526, D. N. SELLIG.  
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ELEAZER AINSWORTH.  
FREDERICK A. SABBATON.  
COVERING FOR STEAM-BOILERS.

101,528, E. SHOPELL.  
PATTERNS FOR SHOES.

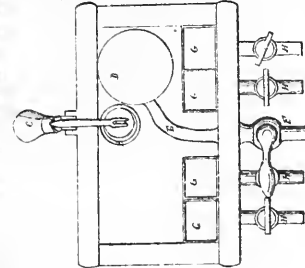
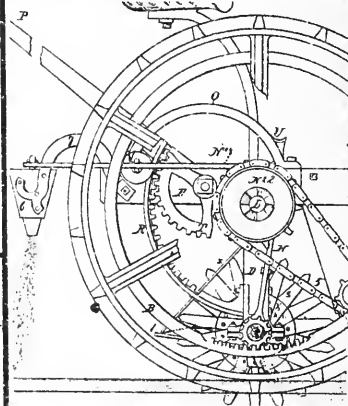
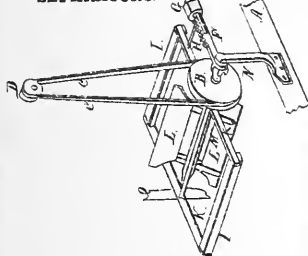
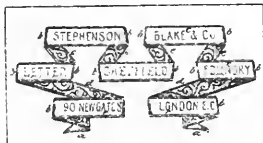
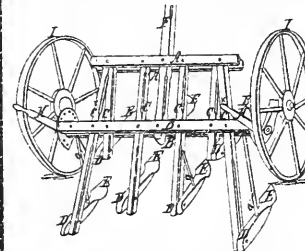
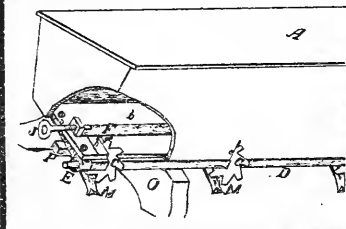
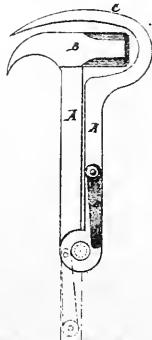
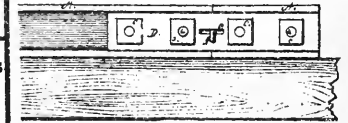
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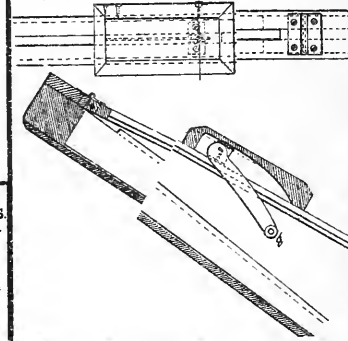
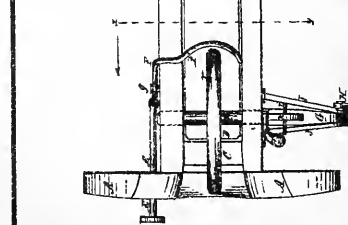
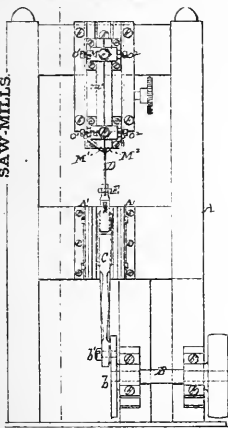
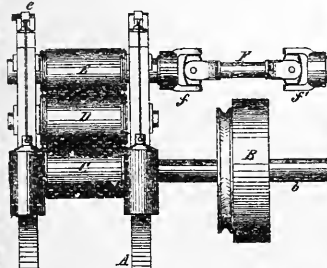
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101,529, FREDK. J. SMITH.  
DIE FOR MAKING CHORD-BAR HEADS

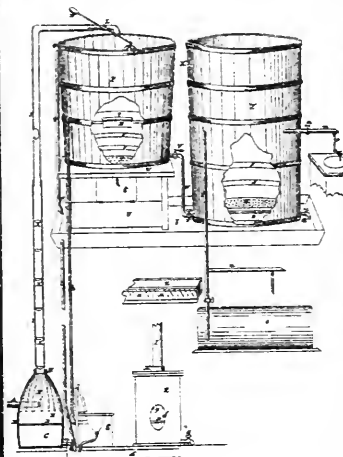
101,534, S. B. SPRING. SODA-FOUNTAINS

101,540, AUGUSTIN L. TAVEAU.  
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AND SEEDER COMBINED101,530, BENJAMIN H. SNAVELY.  
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WM. THOMPSON.  
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ATTACHMENT TO SEEDING-MACHINES101,538, ROBERT STOUT.  
HORSESHOEING-TOOL101,541, ESAU D. TAYLOR.  
NUT-LOCK PLATE

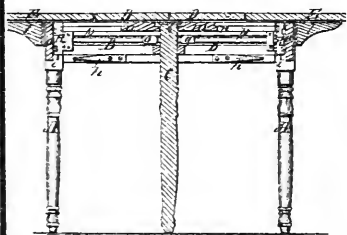
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101,543, JAMES TEMPLE.  
CAR-COUPINGS.101,531, H. F. SNYDER.  
G. S. SNYDER.  
SAW-MILLS.101,532, WM. H. SOLEY.  
GEORGE STITES.  
CALENDER ROLLS FOR PAPER.

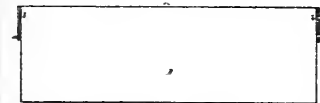
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PROCESS AND APPARATUS FOR  
SUPPLYING PURE WATER  
TO BUILDINGS.



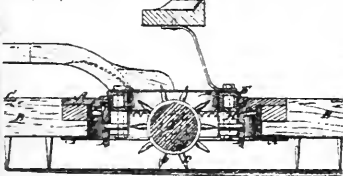
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EXTENSION-TABLE.



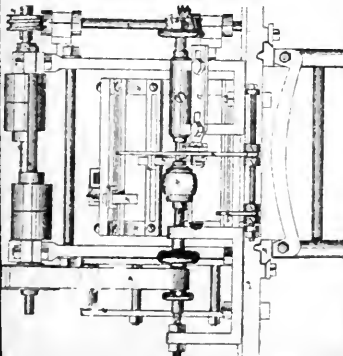
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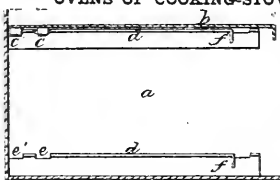
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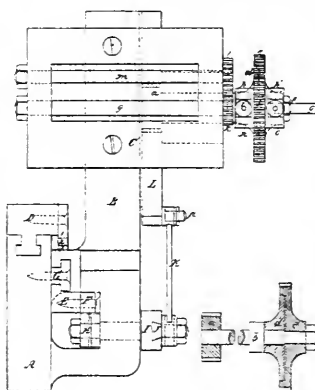
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WOOD-TURNING LATHE.



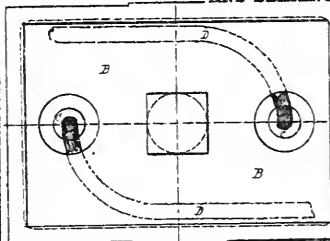
101,549, SAMUEL S. UTTER. SHELVES FOR  
OVENS OF COOKING-STOVES.



101,550, HORATIO B. WEAVER.  
FEED FOR IRON-PLANERS



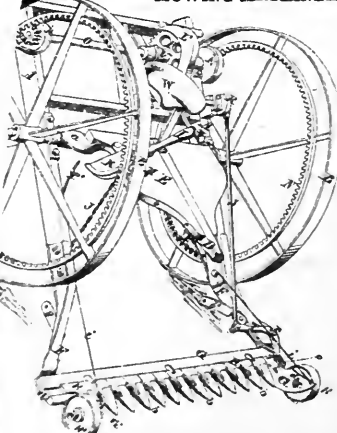
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LUBRICATING JOURNALS  
AND BEARINGS



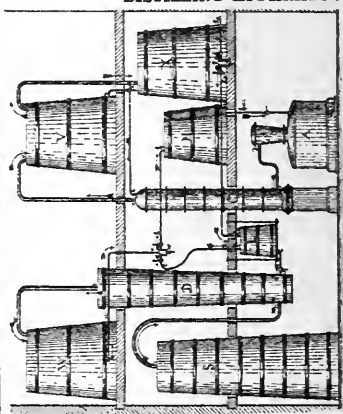
101,552, SYLVESTER P. WHEELER.  
MANUFACTURE OF ARTICLES  
OF COMPRESSED WOOD.

101,553, SYLVESTER P. WHEELER.  
PROCESS OF TREATING WOOD.

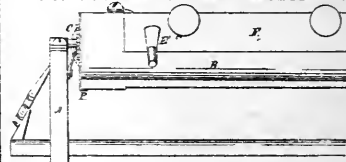
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MOWING-MACHINES.



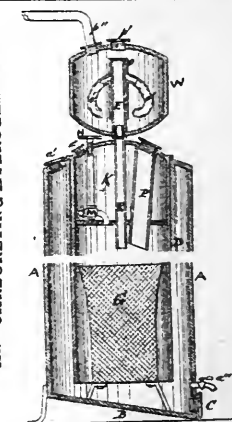
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COMBINATION  
DISTILLING APPARATUS



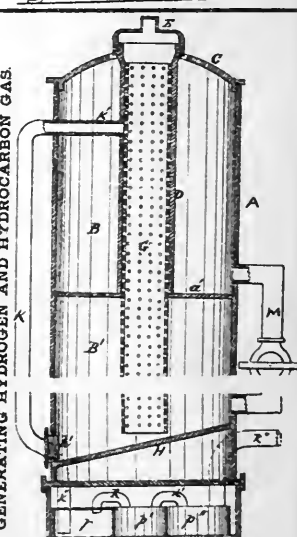
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C. A. SHERIDAN.  
MACHINE  
FOR MAKING CORNICE MOLDINGS.

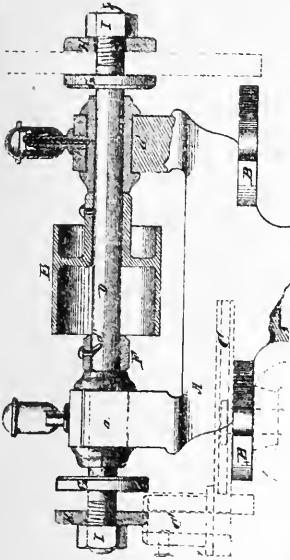
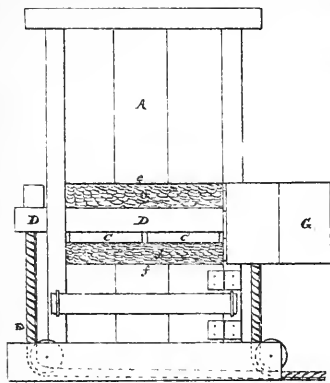
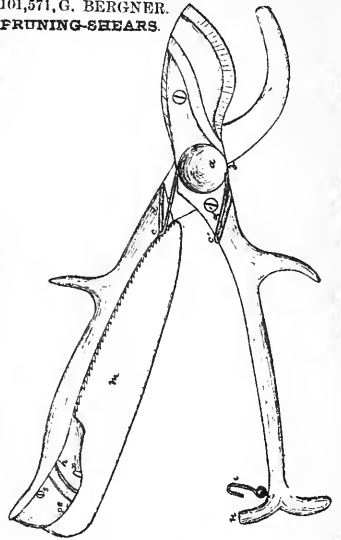
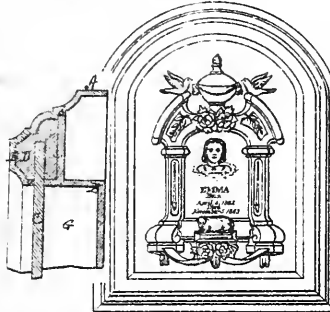
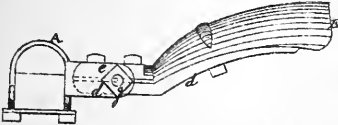
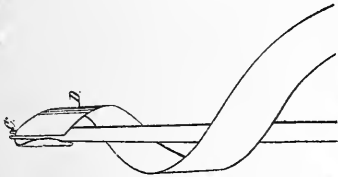
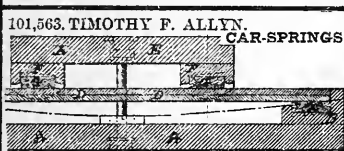
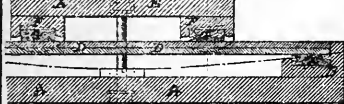


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APPARATUS FOR GENERATING  
AND CARBURETING HYDROGEN GAS.

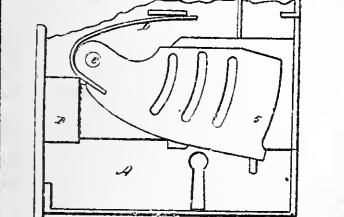
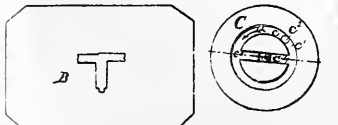


101,558, JOSEPH S. WOOD.  
GENERATING HYDROGEN AND HYDROCARBON GAS.



101,559. THOS. H. WORRALL.  
GRINDING-MACHINES.101,566, G. H. AYLWORTH.  
HAY-PRESSES.101,571, G. BERGNER.  
PRUNING-SHEARS.101,567, H. F. BAILEY.  
TABLETS FOR TOMBS.101,560, EDMUND YEISER.  
THRILL-COUPPLINGS.101,561, WILLIAM D. YOUNG.  
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PREPARING TOMATOES AND OTHER  
FRUITS AND VEGETABLES TO BE USED  
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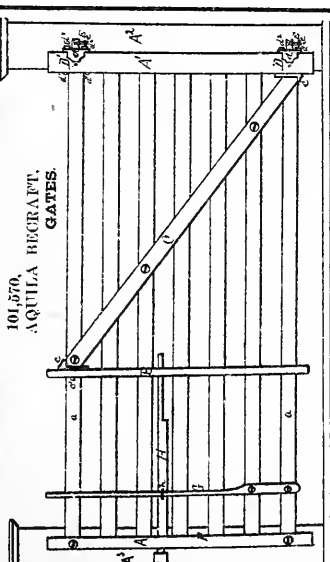
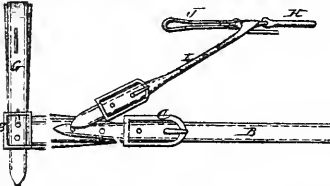
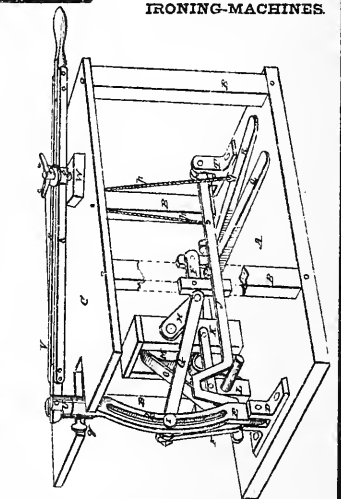
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101,565, HENRY ANSLEY.  
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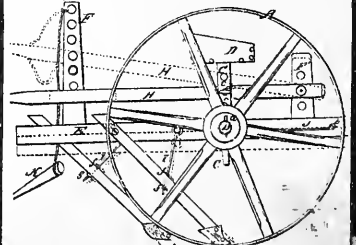
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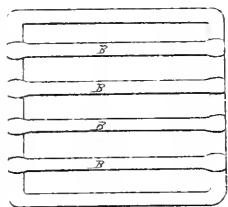


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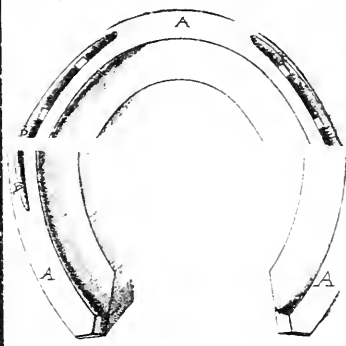
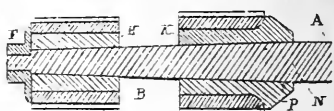
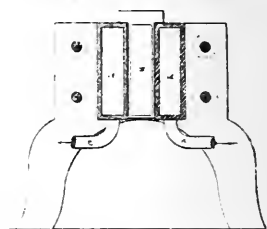
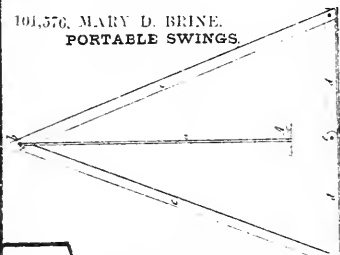
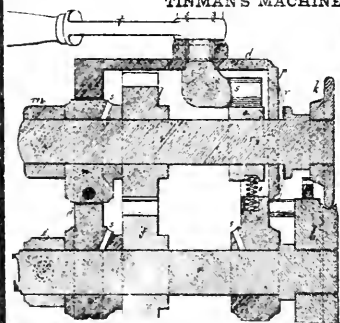
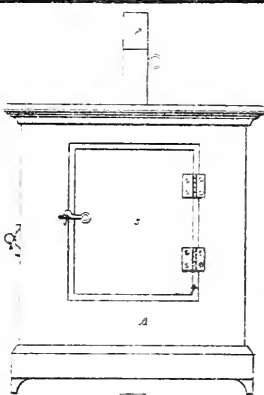
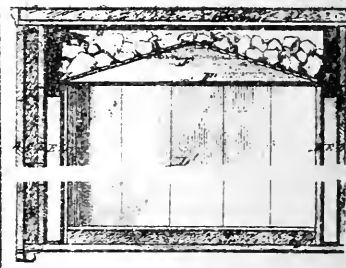
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AQUILA BECRAFT,  
GATES.101,573,  
GEORGE BOXLEY.  
IRONING-MACHINES.

101,574, J. G. BOYD. BULKY PLOWS.

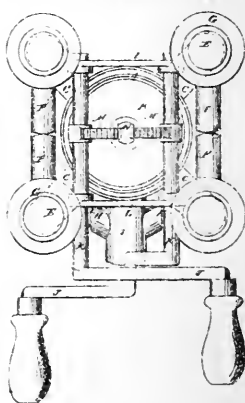
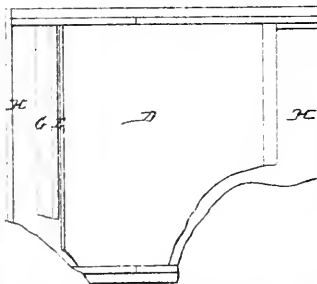


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SEWER-GRATE

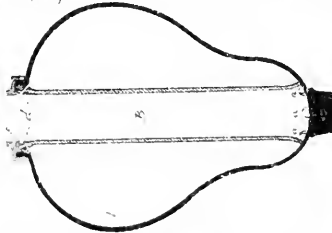
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101,586. T. M. CLUXTON.  
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MOLDING AND CLARIFYING HORN.101,576. MARY D. BRINE.  
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REFRIGERATOR101,583. EDWARD S. COLTON.  
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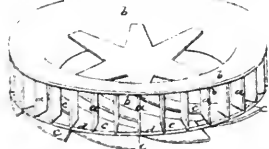
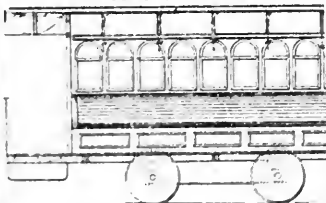
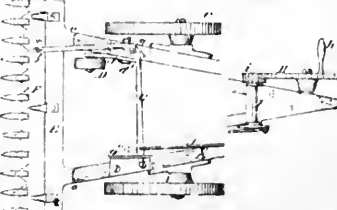
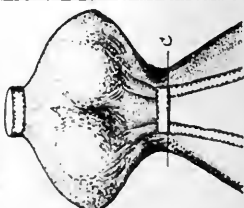
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101,578. WM. H. BUTTERWORTH.  
THRASHING-MACHINES.

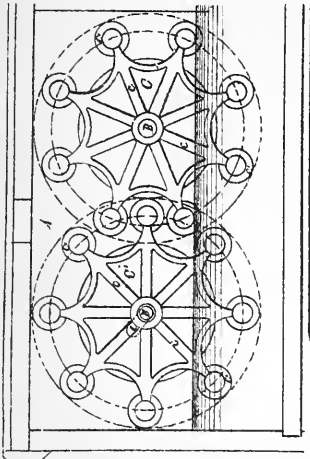
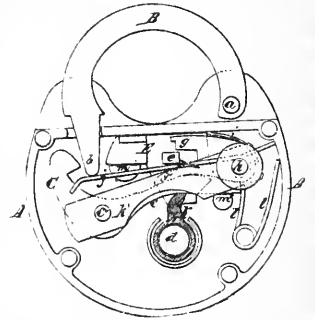
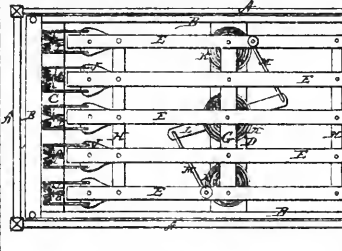
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101,590. T. COWING.  
WOOD PAVEMENT

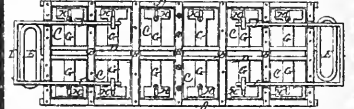
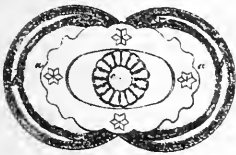
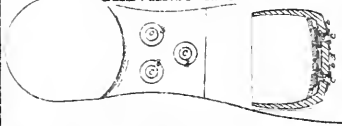
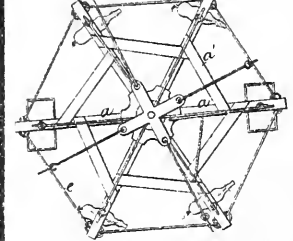
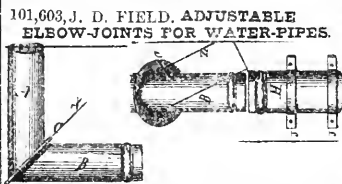
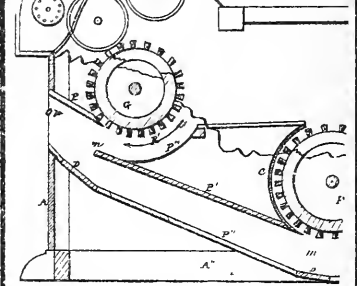
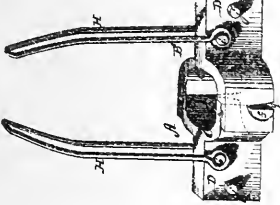
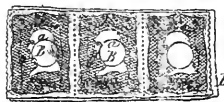
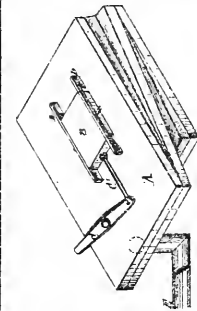
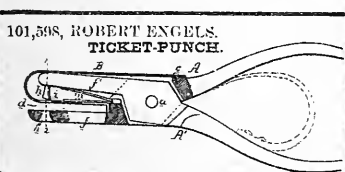
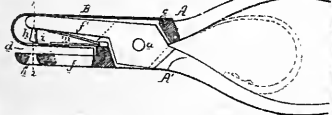
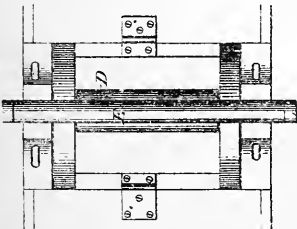
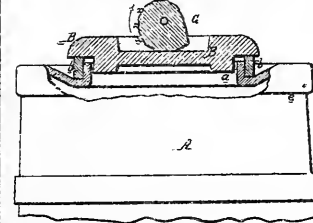
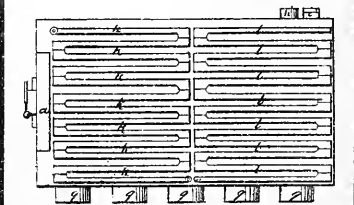
101,579. JOHN BUZBY. WATER-WHEELS.

101,580. CHARLES CARR. DEVICE FOR  
RINGING STREET-CAR BELLS.101,585. CHARLES M. CLINTON.  
LAWN-MOWERS.101,591. A. M. DAVIS.  
GARMENT-DUMMIES.

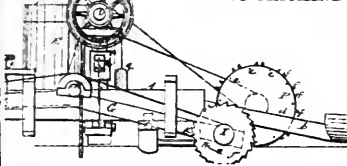
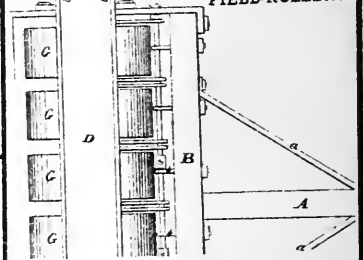
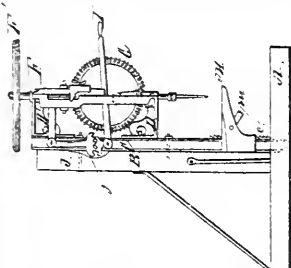
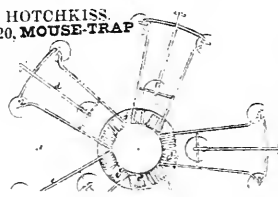


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WASHING-MACHINE.101,600, MATTHEW FALOON.  
SPRING-BED BOTTOM.101,601, F. FANNING.  
WIRE-TIGHTENER  
FOR WIRE FENCE.

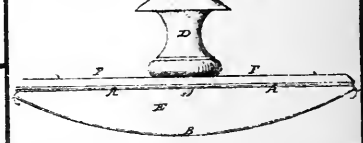
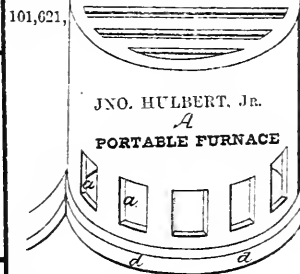
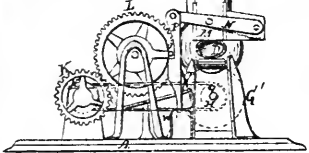
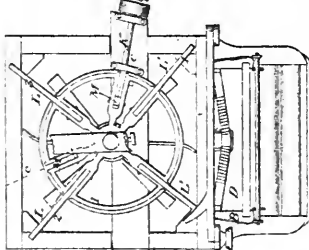
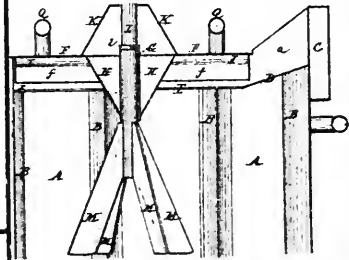
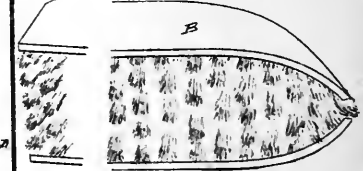
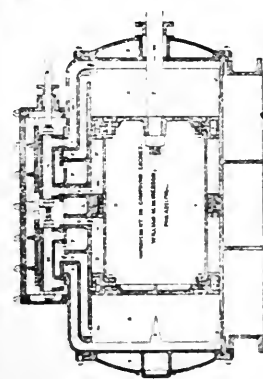
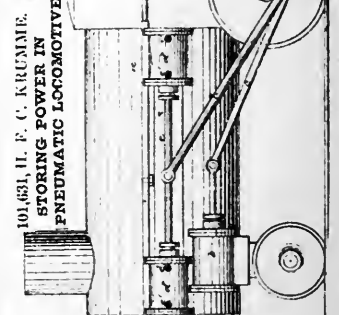
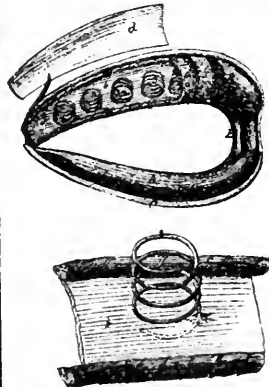
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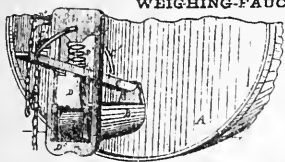
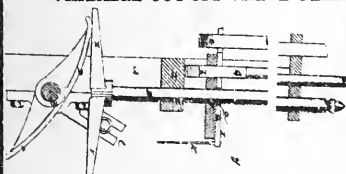
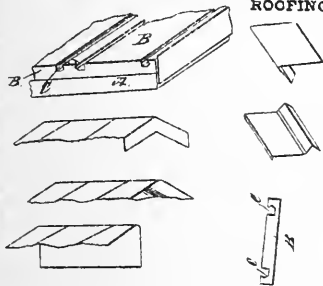
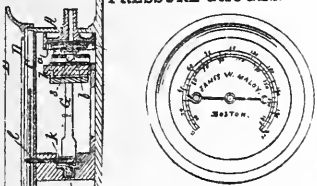
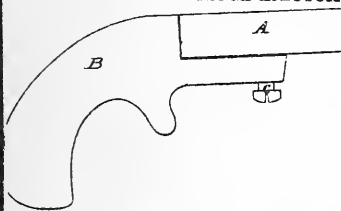
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SHOE-TRIMMING101,602, DR. JOSEPH FANYOU.  
GALVANIC SHOE-SOLES.101,609, ALMERON GRAVES.  
REVOLVING SWING.101,594, E. J. DE SMEDT.  
COMPOSITION ROOFING, FAVING &c.101,603, J. D. FIELD, ADJUSTABLE  
ELBOW-JOINTS FOR WATER-PIPES.RICHARD R. GWATHMEY.  
101,610.  
COTTON-GINS.101,595, WM. H. DOWNING.  
LIFTING-CLAMPS FOR PUMPS.101,604, A. C. FLETCHER, ADHESIVE  
POSTAL AND REVENUE STAMP101,605, CARL FOGELBERG.  
MELODY ATTACHMENT FOR ORGANS.101,596, H. J. DURGIN, REVOLVING  
CENTER-REST FOR WOOD-LATHES.101,597, GEORGE W. ELDRIDGE.  
FIRE-KINDLING.101,598, ROBERT ENGELS.  
TICKET-PUNCH.101,599, THOMAS R. EVANS.  
CHURNS.101,606, WM. GALLOWAY.  
FASTENINGS FOR FRUIT-JARS.101,607, CHARLES T. GIBSON.  
PADLOCKS.101,612, FREDRICK P. HALLBERG.  
STEAM-HEATER.



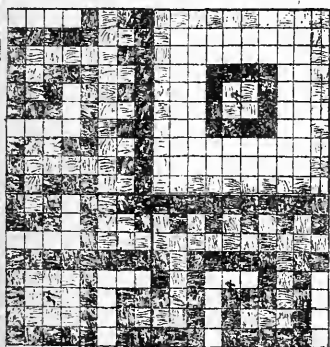
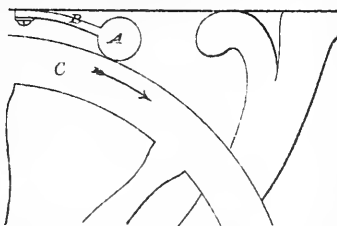
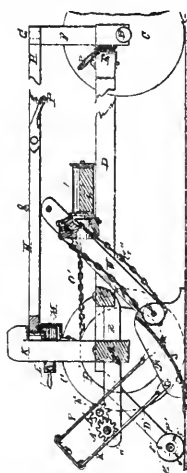
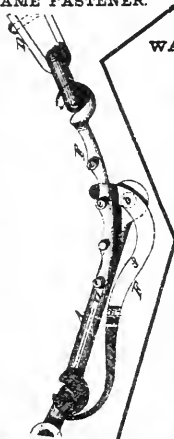
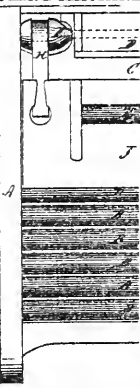
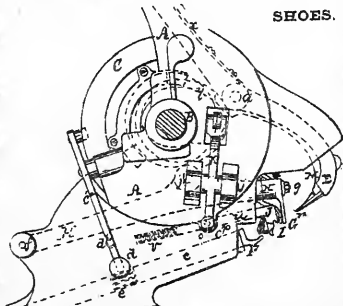
101,613, VALENTINE H. HALLOCK.  
ICE-CUTTING MACHINEGEORGE HORTER.  
HORSE-COLLARS.  
101,619.101,626, A. S. KEAGY.  
FIELD-ROLLERS101,614, JOSEPH H. HANES.  
SELF-FEEDING DRILLA. A. HOTCHKISS.  
101,620, MOUSE-TRAP

101,627, J. M. KEEP, BLOTTING-PADS.

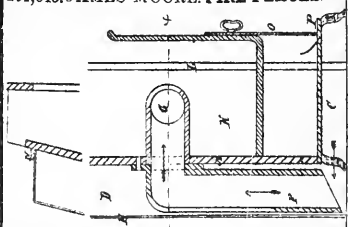
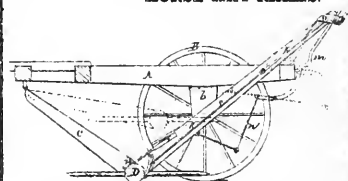
JOHN E. HAWKINS, BREAD-MACHINE.  
101,615,101,628, FR. KILLAN  
FOLDING CHAIR101,629, TOBIAS KOHN.  
PICTURE-CORD101,616, C. V. DEMENWAY.  
BRICK-MACHINES.101,622, DANIEL H. HULL.  
BOILER AND WASHING-MACHINE.101,650, BENJAMIN F. KOLLER.  
SCRUBBING-BRUSH101,617, W. M. HENDERSON.  
DIRECT ACTING COMPOUND STEAM  
ENGINE.101,623, R. HUMPHREY.  
HORSE COLLAR101,631, H. F. C. KRUMME.  
STORING POWER IN  
PNEUMATIC LOCOMOTIVES.101,632, JOHN H. LARRY.  
PERMUTATION LOCK101,618, GEORGE A. HIGGINS  
CLOSET FOR CAKE.101,624,  
OLIVER E. HUNTER.  
MANUFACTURE OF STEEL101,625, J. J. KARLEN  
COMPOSITION FOR THE  
MANUFACTURE OF  
FRICTION MATCHES.

101,633, DANIEL LESH, JR.  
WEIGHING-FAUCETS.101,634, NATHL. K. LYNCH.  
VARIABLE CUT-OFF-VALVE GEAR.101,635, THOMAS A. MAKIBBIN.  
ROOFING.101,636, JAMES W. MALOY.  
PRESSURE-GAUGES.101,637, J. M. MARLIN.  
CARTRIDGE EJECTOR.

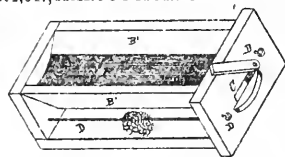
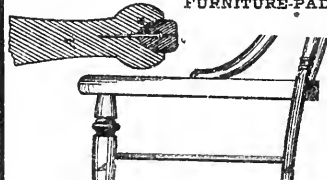
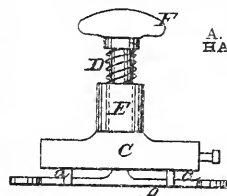
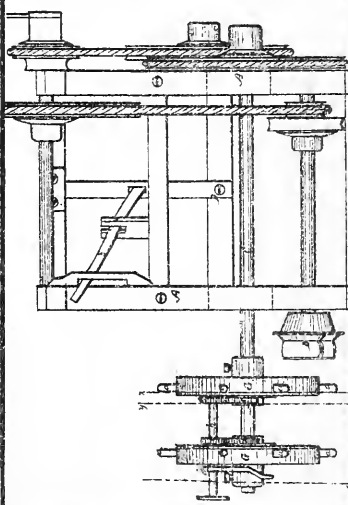
101,638, C. J. McALISTER. FLOORING.

101,639, E. D. McINTOSH.  
BRAKE TO PREVENT REVERSE MOTION  
OF DRIVING WHEEL IN SEWING  
MACHINES.101,640, S. P. McKELVEY.  
DITCHING MACHINE.101,641, L. O. P. MEYER.  
MANUFACTURE OF SAFETY MATCHES101,642, C. H. MILLER  
HANE FASTENER.101,643,  
JOHN MILLER.  
WASHING-MACHINE101,644, D. MILLS.  
SEWING MACHINE FOR BOOTS AND  
SHOES.

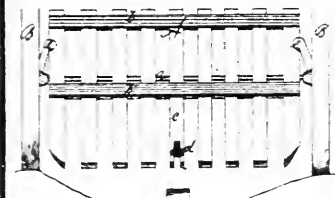
101,645, JAMES MOORE. FIRE-PLACES.

101,646, JOHN H. MORRIS.  
HORSE HAY-RAKES.

101,647, MARCUS MORTON. BEE-HIVES.

101,648, WM. B. MOSES  
FURNITURE-PAD.101,649,  
A. L. MUNSON.  
HAND STAMPS.101,650, HIRAM NELSON.  
FOR CROZING BARRELS.

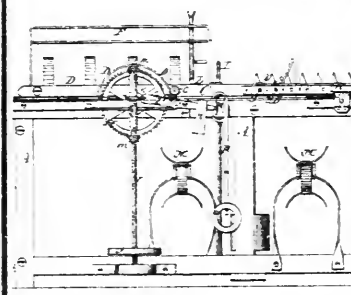
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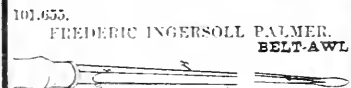
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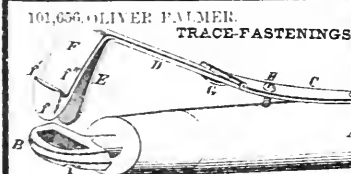
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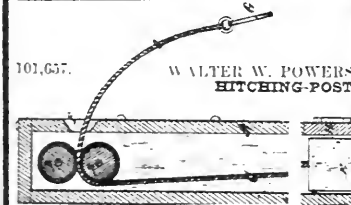
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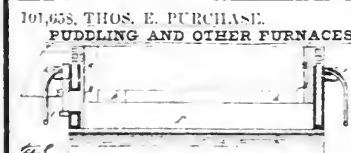
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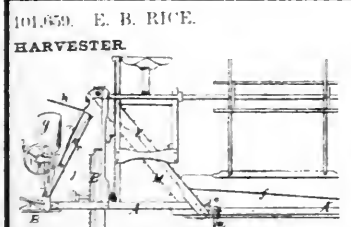
101,656. OLIVER PALMER. TRACE-FASTENINGS.



101,657. WALTER W. POWERS. HITCHING-POST.



101,658. THOS. E. PURCHASE. PUDDLING AND OTHER FURNACES.

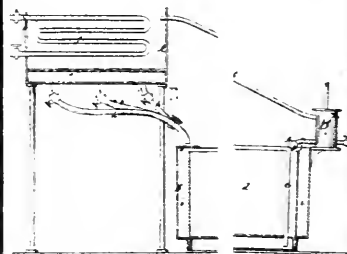


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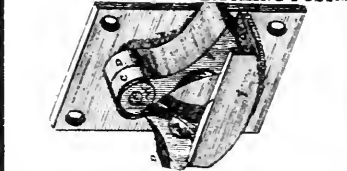
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101,661. LOUIS T. ROBERTSON.

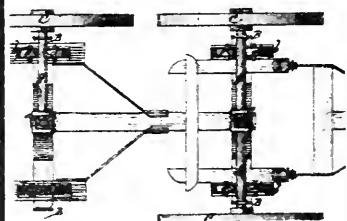
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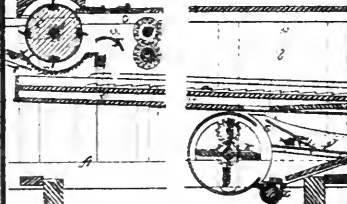
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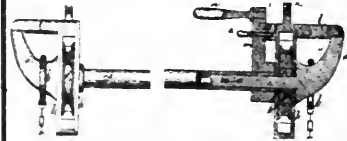
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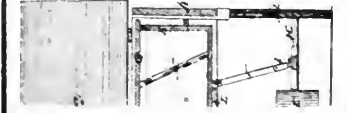
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101,665. WM. S. RYERSON. GEO. STANCLIFF. BOAT-DETACHING APPARATUS.



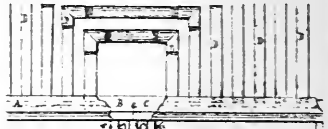
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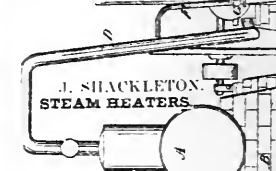
101,667. GEO. H. SEYMOUR. CAR-BRAKES.



101,668. J. SHACKLETON. STEAM RADIATOR.

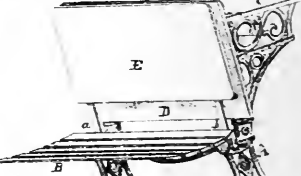


101,669.



J. SHACKLETON. STEAM HEATERS.

101,670. CALVIN W. SHERWOOD. SCHOOL-DESK.



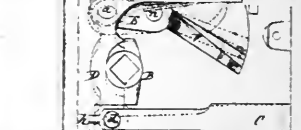
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101,672. THOS. SMITH, JR. TEAPOTS.



101,673. W. R. SMITH. REVERSIBLE LATCHES.



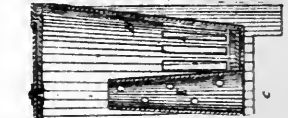
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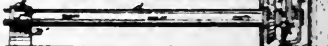
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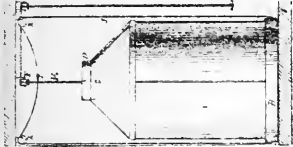


101,676. RUFUS O. STEVENSON. SUMMER COOKING-FURNACE.



101,677. G. W. STORY. CARPET-STRETCHER.



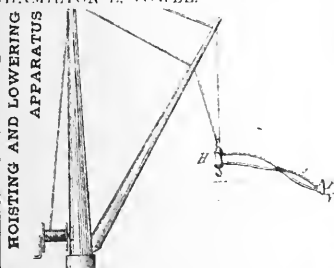
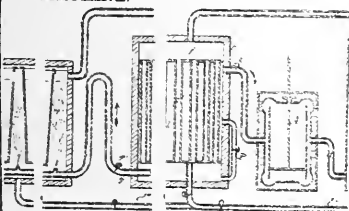
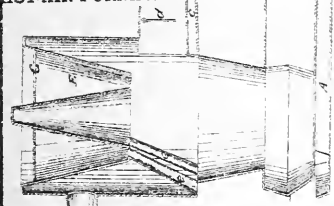
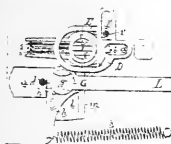
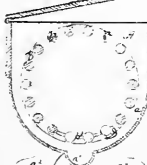
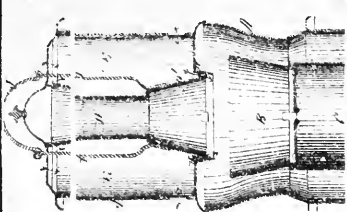
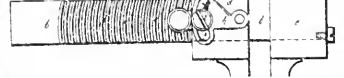
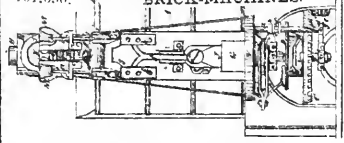
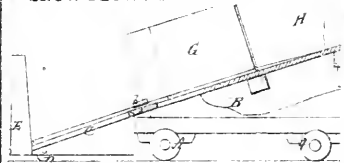
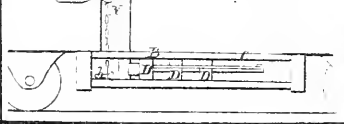
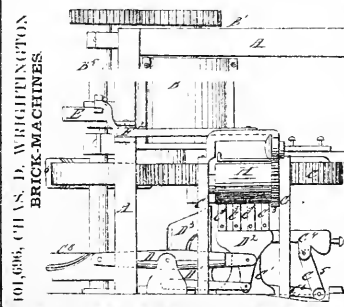
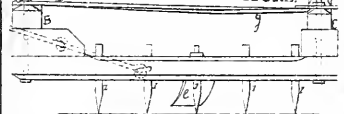
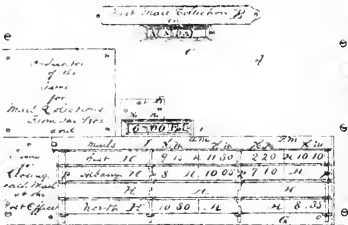
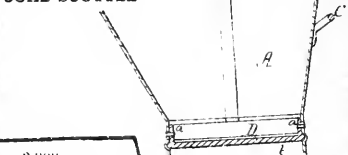
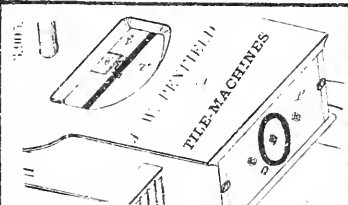
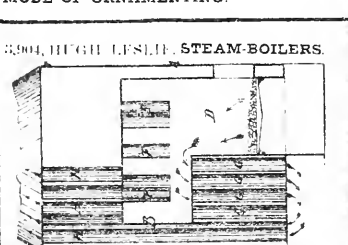
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SUSPENSION BATH-TENTS101,679, HERMANN TEATS.  
COMPOSITION FOR CLEANING  
PLATE AND GLASS.

101,680, EDGAR C. TEN-RYCK.

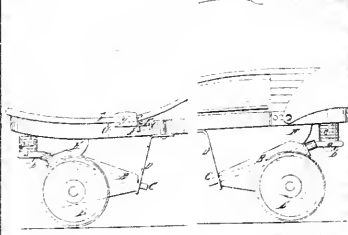
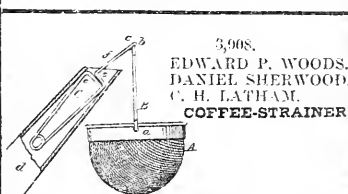
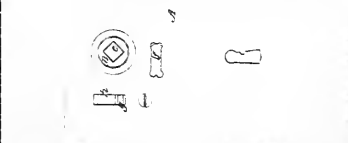
TAG-HOLDERS.



101,681, HAMILTON E. TOWLE.

101,682, D. K. TUTTLE AND O. LUGO.  
ICE MACHINE.101,683, J. S. VAN BUREN.  
HOT-AIR FURNACES.101,684, EDWARD VOLLET.  
PHILIP P. MATTHEWS.  
LOCKS.101,685, HIRAM J. WATTLES.  
VEGETABLE-WASHER.101,687, CHARLES W. WESTOVER.  
COMPOSITION FOR PAINT, CEMENT.101,688, ALEXANDER WHITE.  
BASE-BURNING STOVES101,689, A. E. WHITMORE.  
SLIDING CALIPERS.101,690, CARMEL H. WILLIAMS.  
BRICK-MACHINES.101,691, WILLIAM H. WILLIAMS.  
STREET-PAVEMENT.101,692, J. E. WILSON.  
BLOW-PIPES.101,693, ROBERT WILSON.  
SNOW-FLOWS FOR RAILWAYS.101,694, WILLIAM WIMER.  
CAR-COUPPLINGS.101,695, REUBEN WOTTRING.  
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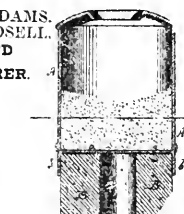
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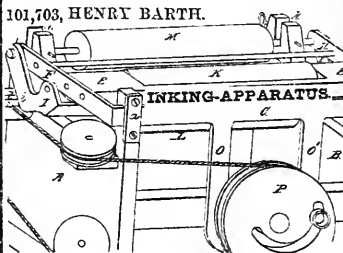
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APRIL 12, 1870.

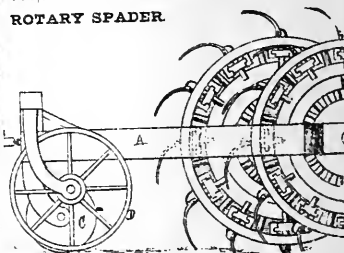
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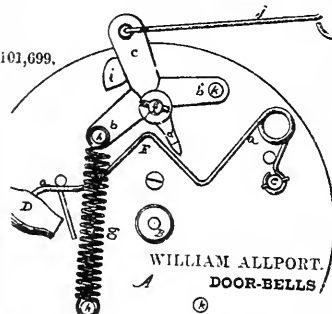
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101,719, J. CHENOWETH  
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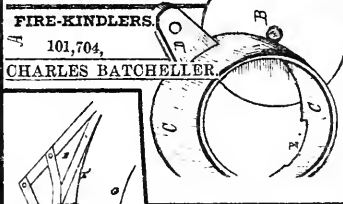
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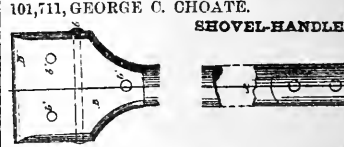
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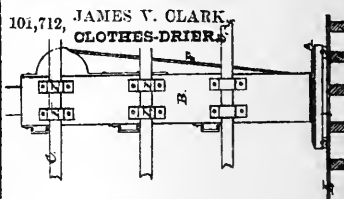
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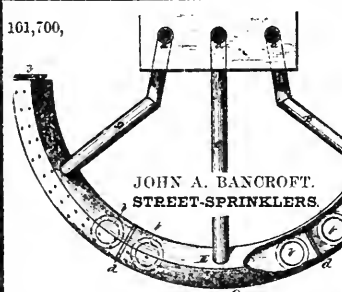
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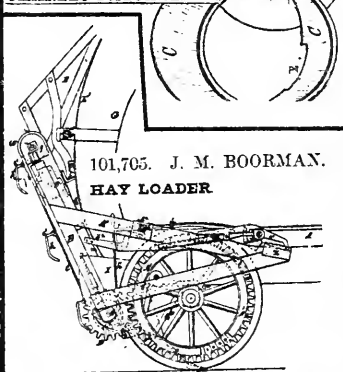


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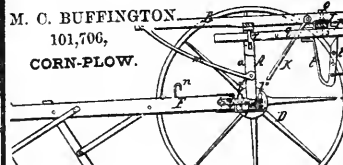


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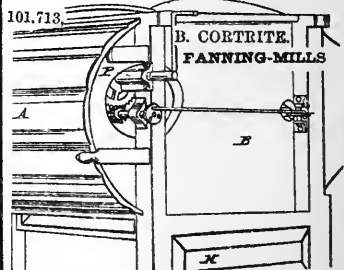
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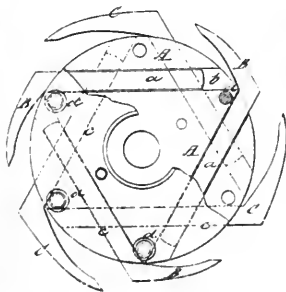
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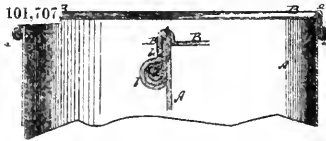
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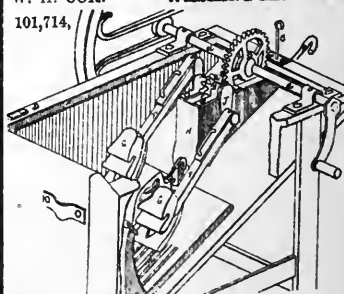
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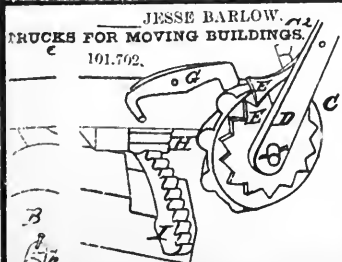
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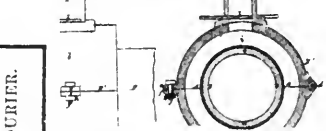
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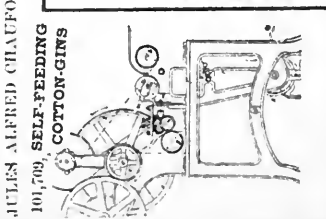


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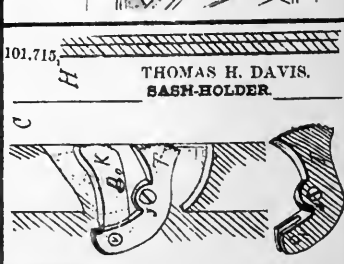


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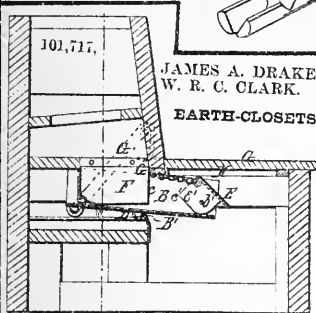


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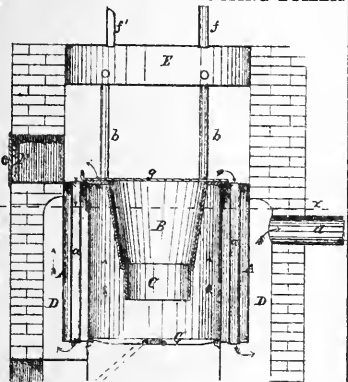


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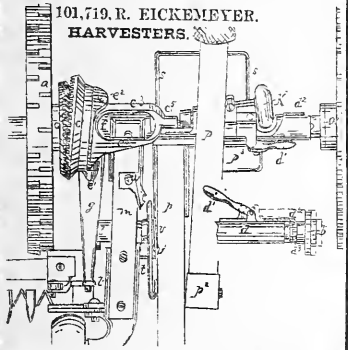
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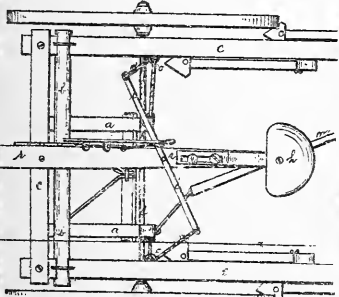
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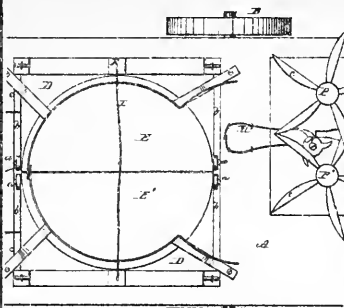
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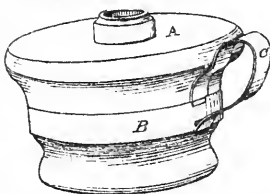


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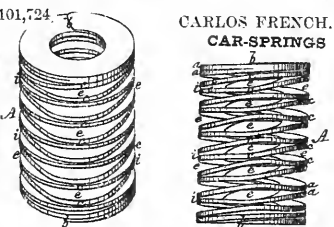


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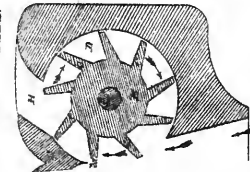
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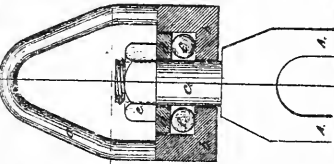
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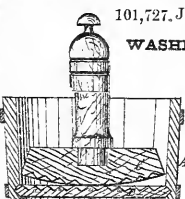
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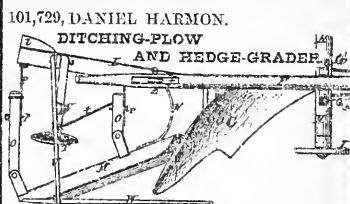
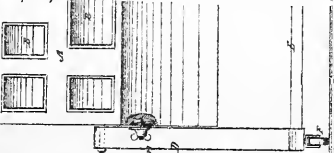
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101,727, JOHN A. HALL  
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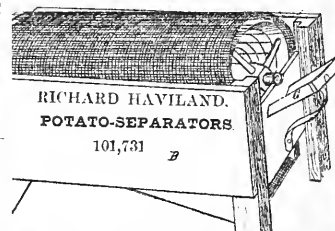
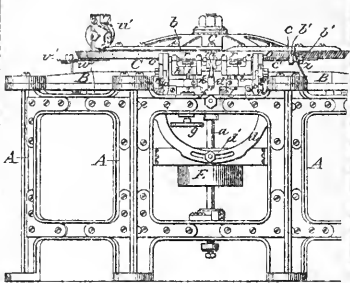


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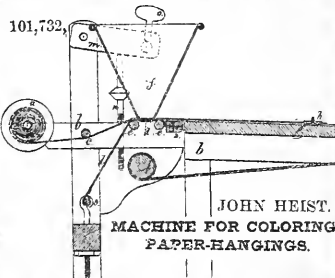


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101,730, E. F. HARRINGTON.  
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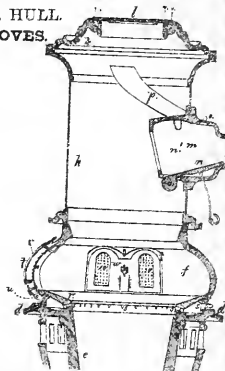


RICHARD HAVILAND.  
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101,732, JOHN HEIST.  
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101,733, M. C. HULL.  
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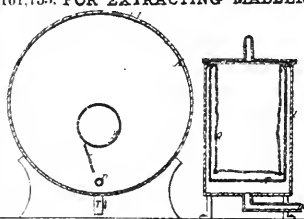


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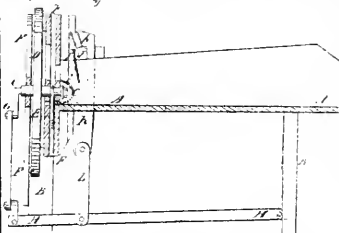




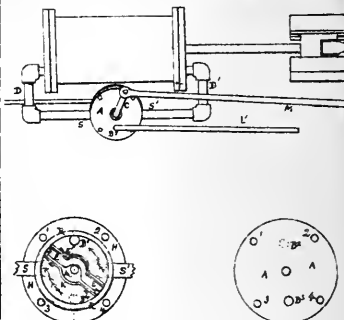
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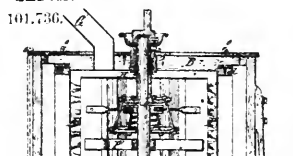
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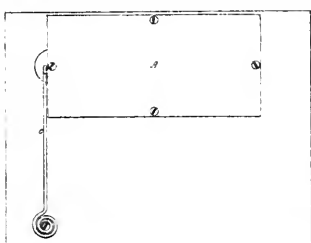
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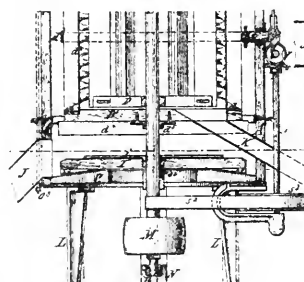
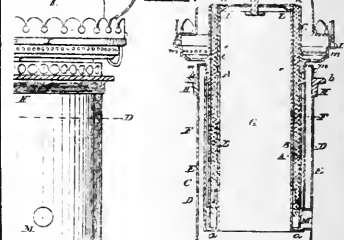
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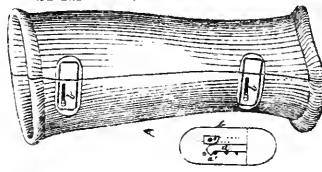
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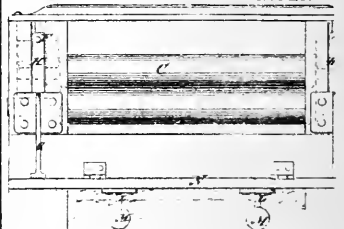
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101,743. GEO. S. KING.  
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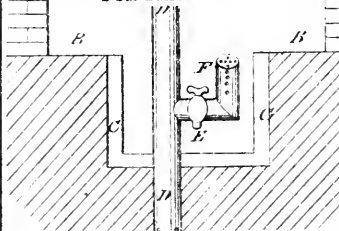


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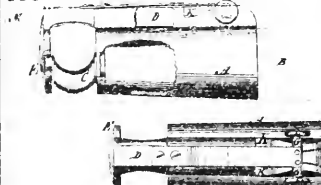


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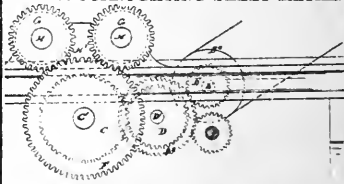
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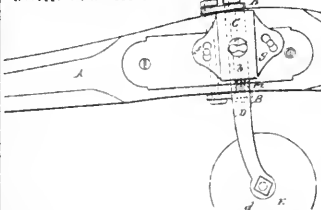
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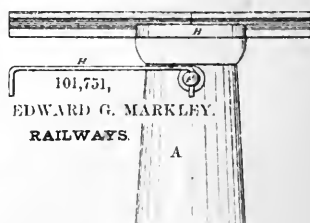
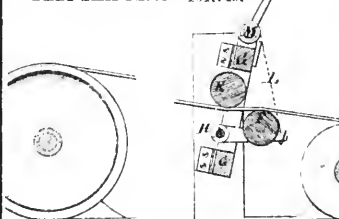
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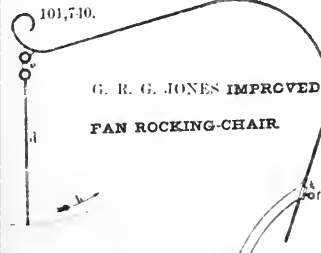
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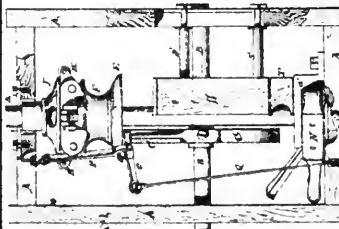
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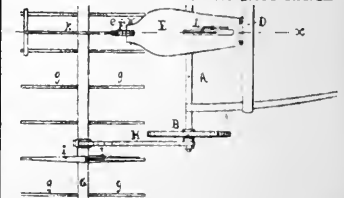
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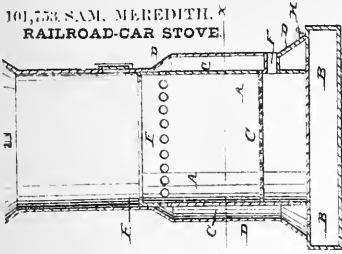


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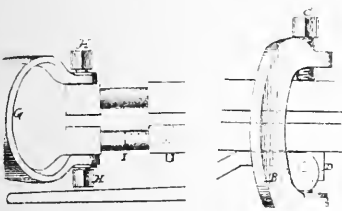


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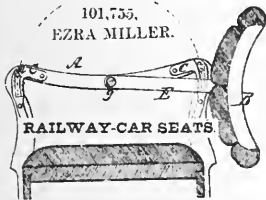
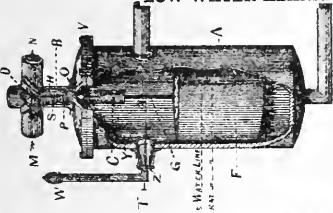
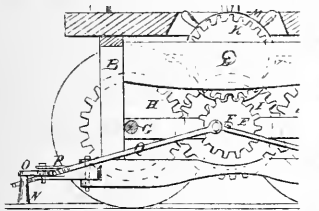


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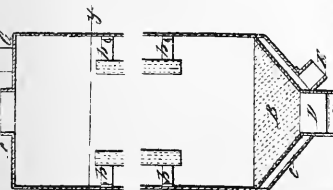
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101,755,  
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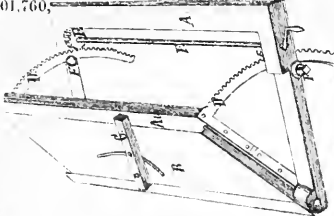
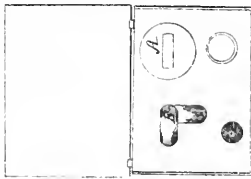
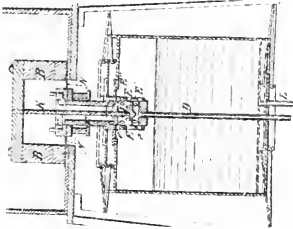
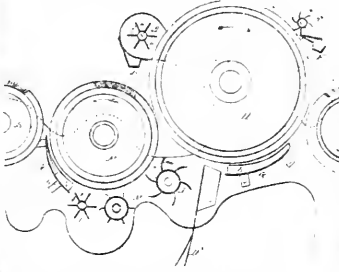
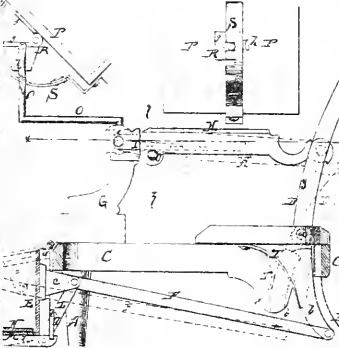
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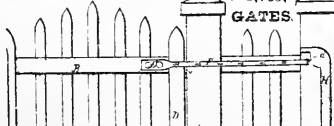


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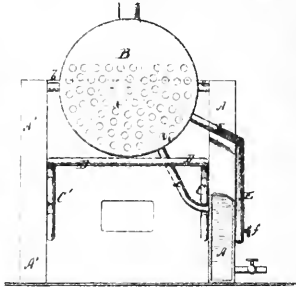
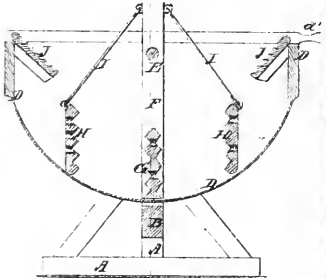
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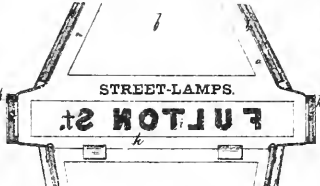
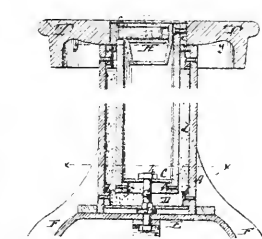
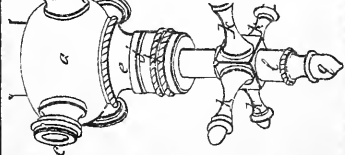
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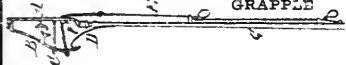
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101,769,

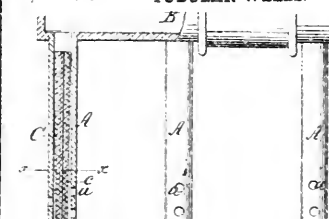
WILLIAM G. SCHMIDLIN.  
JEREMIAH W. DRISCOLL.101,770, PHILIPP SCHREYER.  
MONEY-SAFES.101,771, HENRY SCHULTZ. REGULATING  
DEVICE FOR GAS-BURNERS.

101,772. JOHN SELTZER.  
IMPROVED STORE AND HOUSEHOLD  
GRAPPLE



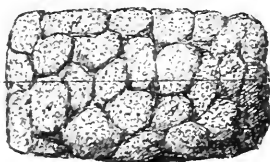
W. A. SHARP. IMPLEMENT.

101,774 J. SHAW. TUBULAR WELLS.

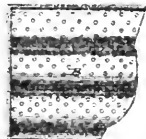


101,775. GEO. SHOVE. ROOFING-TILES.

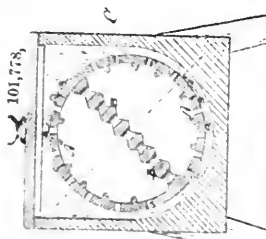
101,776 HAMILTON ERASTUS SMITH.  
IMPROVED MULTIPLE SPONGE.



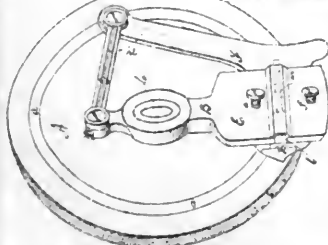
101,777. HAMILTON ERASTUS SMITH.  
IMPROVED MOP, MAT  
AND WIPING-CUSHION.



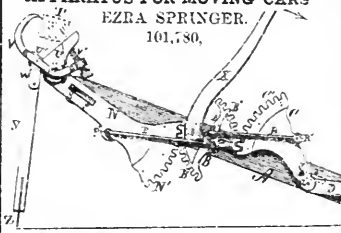
HAMILTON ERASTUS SMITH.  
IMPROVED WASHING-MACHINE.



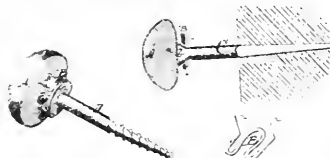
101,779. FRIEDRICH SPOHR.  
MECHANISM FOR OPERATING  
THE FEEDING-WHEEL IN SEWING  
MACHINES.



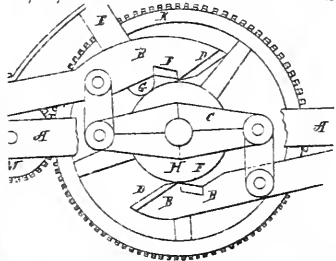
APPARATUS FOR MOVING CARS  
EZRA SPRINGER.  
101,780,



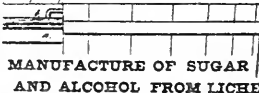
JOHN H. SQUIER. 101,781.  
EZRA J. WARNER. PICTURE-NAILS



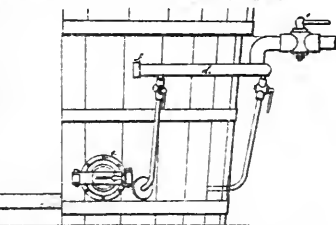
101,782. WM. STEELE. VENEER-CUTTERS.



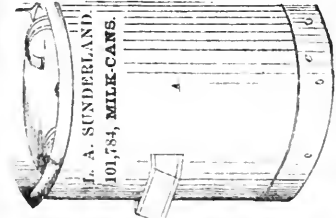
101,783. STEN STENBERG.



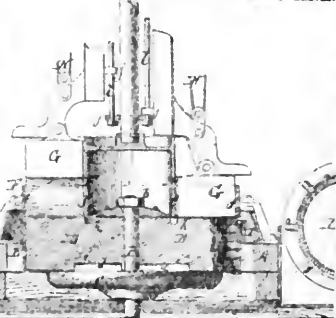
MANUFACTURE OF SUGAR  
AND ALCOHOL FROM LICHENS.



L. A. SUNDELAND.  
101,784. MILK-CANS.

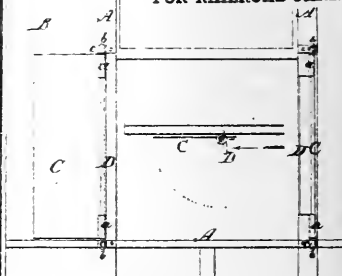


101,785. S. C. TAFT.  
WOOD PULP MACHINE.

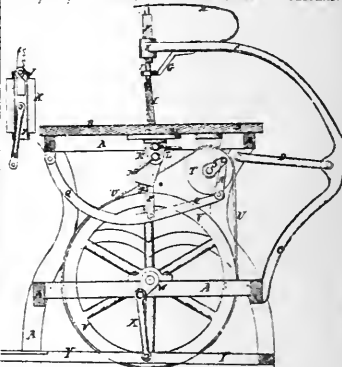


101,786. GEORGE F. THOMAS, JR.  
PAPER FOR CHECKS,  
DRAFTS, NOTES, &c.

101,787. WM. M. K. THORNTON.  
DUST-ARRESTER  
FOR RAILROAD-CARS.



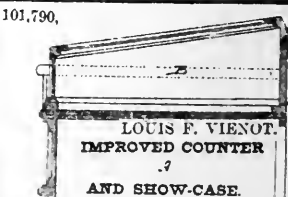
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101,788. SCROLL-SAWING MACHINES.



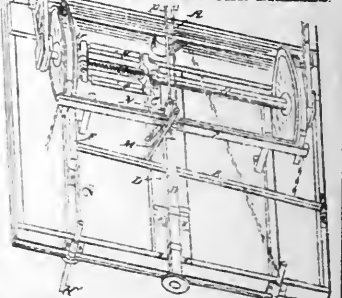
101,789,  
MELZER TUELL.  
IMPROVED FRUIT  
AND EXTENSION-LADDER.



101,790,  
LOUIS F. VIENOT.  
IMPROVED COUNTER  
AND SHOW-CASE.



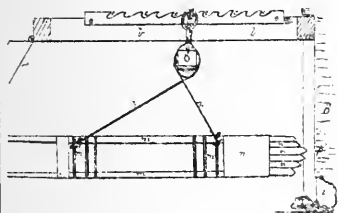
EDWARD P. VINING. 101,791,  
RAILWAY-CAR BRAKES.



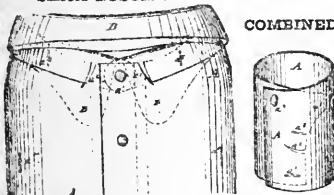
101,792. E. A. WALKER.  
PISTON PACKING.



101,793. WM. WARD.  
COAL-DIGGING APPARATUS.



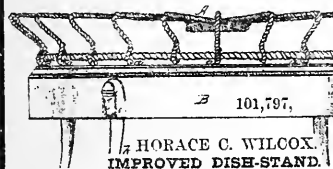
101,794. EFFINGHAM H. N. WARNER.  
SHIRT-BOSOM AND WRISTBANDS  
COMBINED.



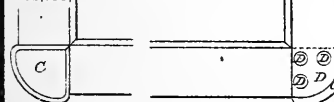
101,795. MARSHALL D. WELLMAN.  
GRATE-BARS FOR  
STEAM-GENERATORS.



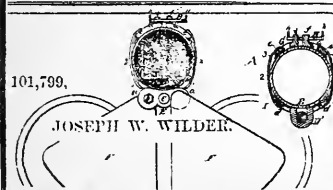
101,796. ASA WHEELER.  
IMPROVED COUNTERSINK.



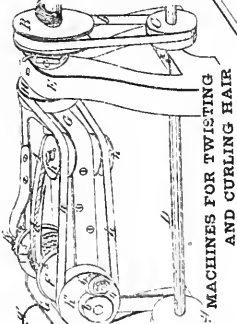
WILLIAM A. WILDE. SLATE-FRAMES.  
101,798.



IMPROVED STOVE-PIPE SHELF.

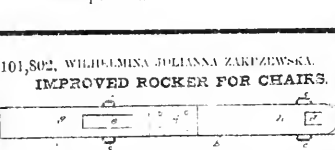


101,800. PHILIP WISDOM.  
JOHN H. WILCOX.



MACHINES FOR TWISTING  
AND CURLING HAIR.

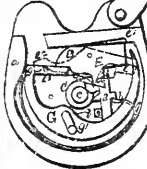
101,801. CHAS. B. WITTINGTON.  
GRAIN-BINDERS.  
Suspended.



101,802. WILHELMINA JULIANA ZARFETZSKA.  
IMPROVED ROCKER FOR CHAIRS.



101,803. T.  
A. M. ADAMS.  
PADLOCKS.



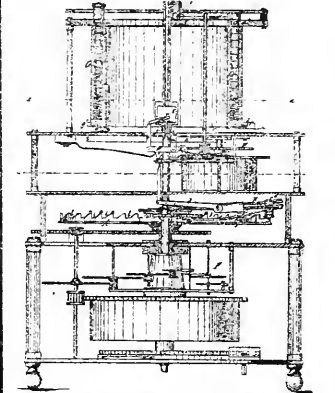
101,804. OLIF ABELL.  
IMPROVED  
WOODEN BOX.



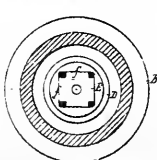
101,805. OLIF ABELL. WOODEN BOX.



APPARATUS FOR LIGHTING  
101,806. AND EXTINGUISHING GAS.  
ALMON N. ALLEN.  
RODNEY H. DEWEY.

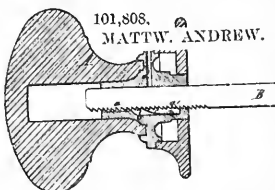


101,807. A. C. ANCONA. OIL-CUP.

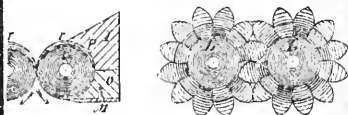


ATTACHING KNOBS TO SPINDLES.

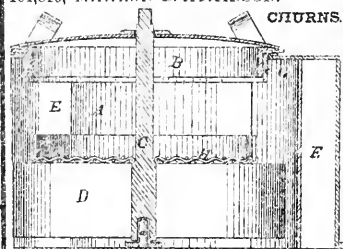
101,808. S.  
MATTHEW ANDREW.



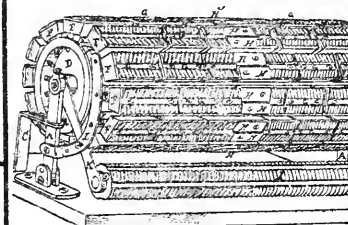
101,809. L. AUGS. ASPINWALL.  
CORN-HUSKERS.



101,810. MAHLON B. ATKINSON.  
CHURNS.

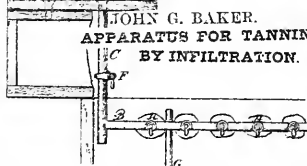


101,811. SOLOMON H. AUSTIN.  
CLOTH-STRETCHING MACHINES.

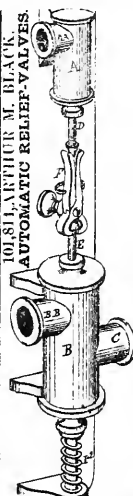


101,812.

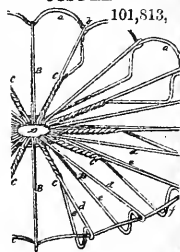
JOHN G. BAKER.  
APPARATUS FOR TANNING  
BY INFILTRATION.



101,813. ARTHUR M. BLACK.  
AUTOMATIC RELIEF-VALVES.



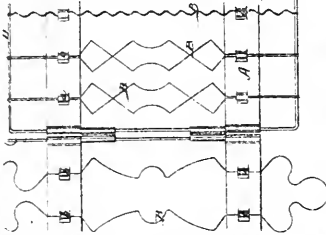
JONAH H. BIGELOW.  
IMPROVED STAND  
FOR TEA AND  
COFFEE-POTS.



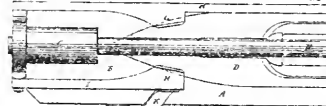
101,815, G. H. BLAKESLEY.  
TUBULAR SHAFTS FOR CLOCKS.



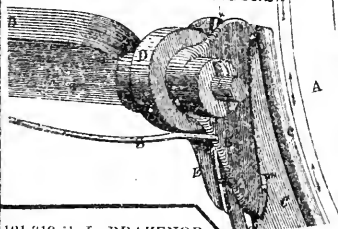
101,816, W. R. BOERNER.  
WIRE-WORK FOR RAILINGS, &c.



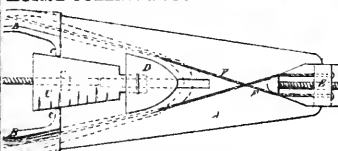
101,817, SAMUEL BOORN.  
MECHANISM FOR STOPPING  
THE SHUTTLE IN LOOMS.



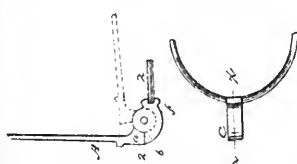
101,818, WILLIAM H. BRADT.  
BRAKE-BLOCK FOR WAGONS.



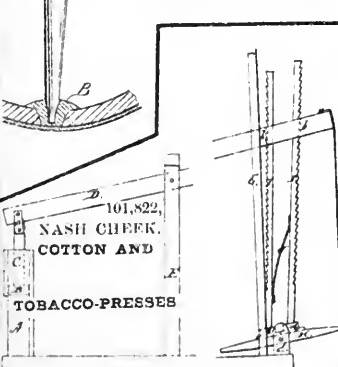
101,819, E. L. BRAZENOR.  
HORSE-COLLAR BLOCK.



101,820, CHAUNCEY BUCKLEY.  
SPECTACLE-FRAMES.

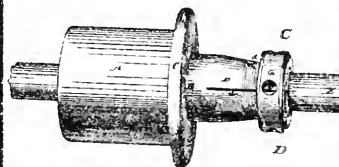


101,821, A. J. CARLETON.  
SPOKE-SOCKET FOR  
CARRIAGE WHEELS.

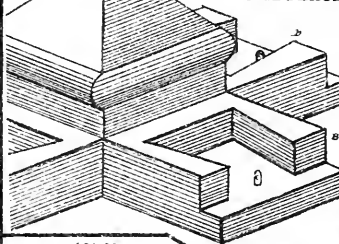


101,823, JOHN H. CHEEVER.  
INDIA-RUBBER CARPETING  
AND EMBOSSED MATTING.

101,824, MILTON W. CLARK.  
COMBINED PULLEY AND CLAMP.



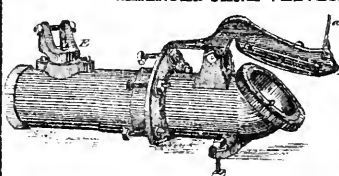
101,825, P. S. CLINGER.  
SEAT AND CAP FOR TIE  
AND SILL-PLATE.



101,826,  
JOHN JOSEPH CLOES.  
BREECH-LOADING  
FIRE-ARMS

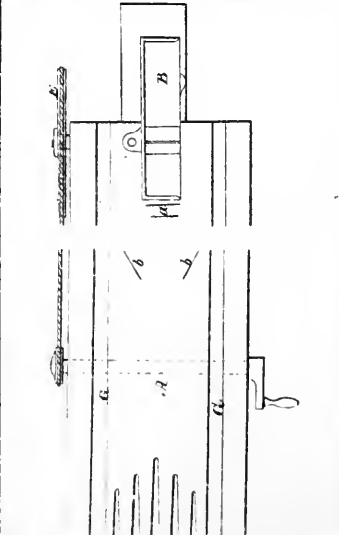


101,827, MARSHALL COWING.  
RAILROAD-TANK VALVES.

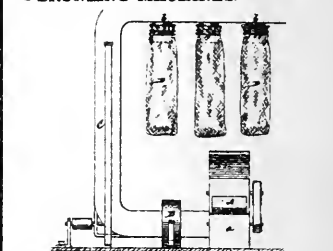


JAMES F. CRANSTON,  
JEREMIAH H. BANKS.  
101,828, JOHN M. INGERSOLL.  
MANUFACTURE OF ARTIFICIAL FUEL

101,829, C. O. CROSBY.  
MACHINE FOR ARRANGING NEEDLES.

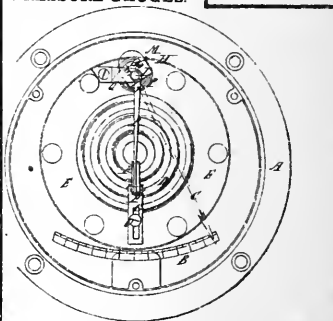


101,830, S. CRUMP.  
BRONZE COLLECTING ATTACHMENT  
TO BRONZING MACHINES.

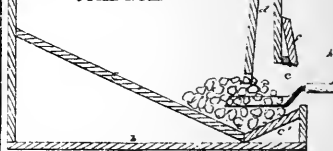


101,831, GEO. CUSTER.  
TOE-CALK FOR HORSESHOES.

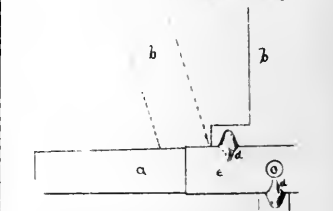
101,832, H. CHWATAL.  
PRESSURE-GAUGES.



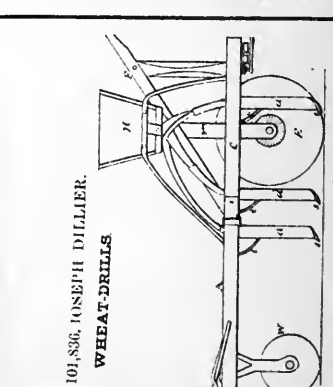
BENJAMIN RICHARD DEACON, 101,833.  
COAL-BOX



101,834,  
JOHN DEEBLE.  
PERCH SPRING-CLIPS.



101,835, CHAS. DIEBOLD, MANUFACTURE  
OF BUILDING-BLOCKS FROM SLAG.



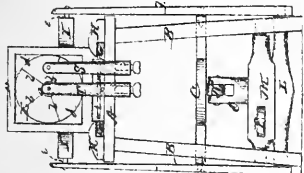
101,836, JOSEPH DILLER.  
WHEAT-DRILLS



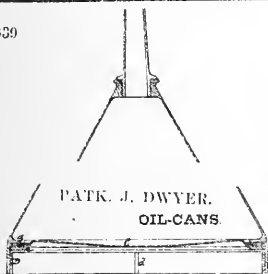


101,837,  
SAMUEL C. DIX.  
BAG-FASTENERS.

101,838, R. J. DODD.  
APPLE-CORER AND SLICER.



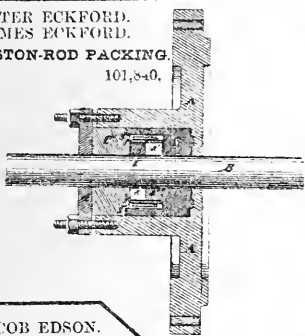
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PATR. J. DWYER.  
OIL-CANS.

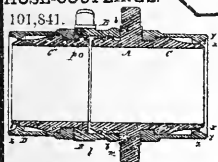
PETER ECKFORD.  
JAMES ECKFORD.  
PISTON-ROD PACKING.

101,840.

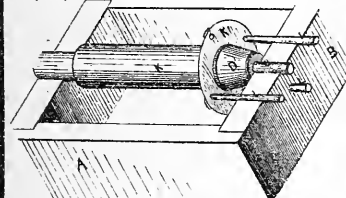


JACOB EDSON.  
HOSE-COUPPLINGS.

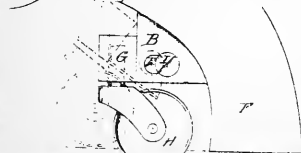
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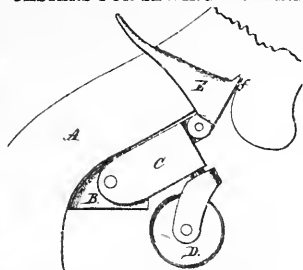
JACOB EDSON  
101,842, MOLDS FOR CASTING PIPE.



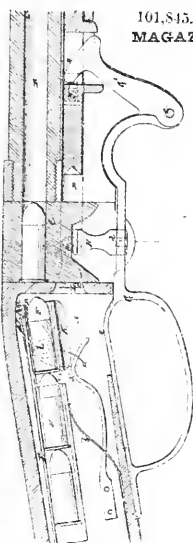
CASTERS FOR SEWING-MACHINES.  
101,843, WILLIAM P. ELLIOTT.



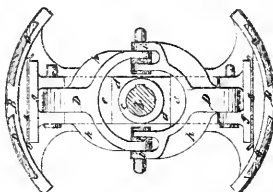
101,844, WILLIAM P. ELLIOTT  
CASTERS FOR SEWING-MACHINES.



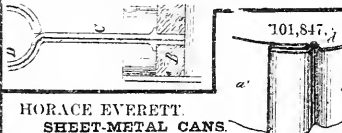
101,845, DARWIN ELLIS.  
MAGAZINE FIRE-ARMS.



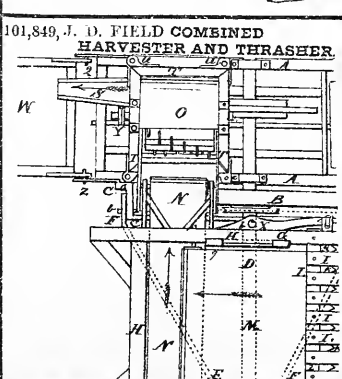
101,846, GEO. D. EMERSON.  
FRICTION-CLUTCH FOR ENGAGING  
AND DISENGAGING GEARING.



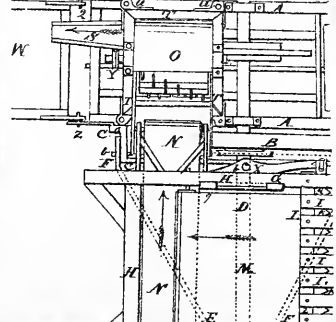
CHRISTIAN L. FEHRENSSEN.  
101,848, PERFUME EJECTOR.



HORACE EVERETT.  
SHEET-METAL CANS.

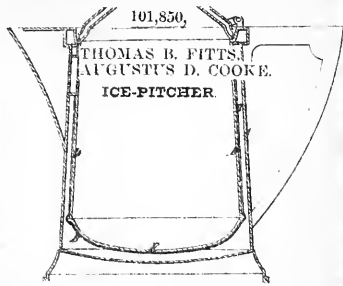


101,849, J. D. FIELD COMBINED  
HARVESTER AND THRASHER.

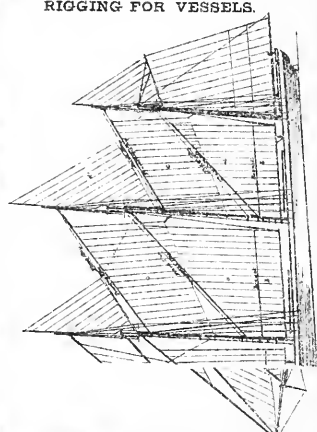


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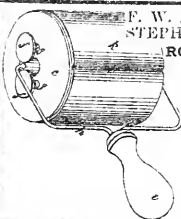
THOMAS B. FITTS.  
AUGUSTUS D. COOKE.  
ICE-PITCHER.



101,851, R. B. FORBES.  
RIGGING FOR VESSELS.

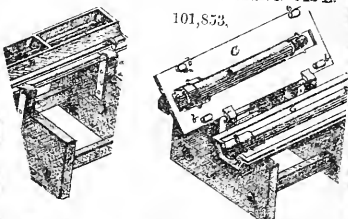


F. W. FROST, 101,852,  
STEPHEN L. HAYWARD.  
ROTARY BLOTTERS.

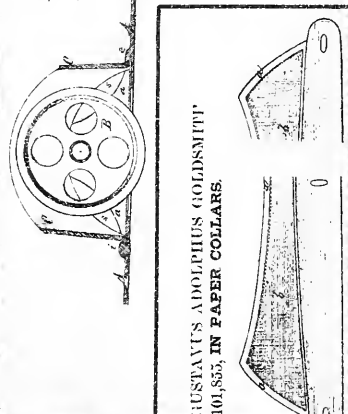


FREDERIC FULLER.  
APPARATUS FOR MOLDING PIPE.

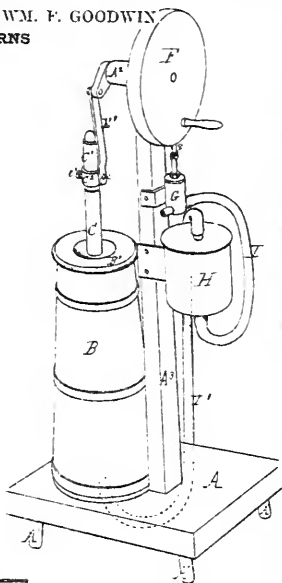
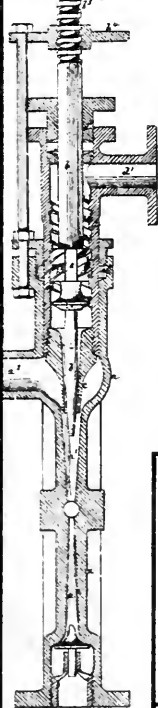
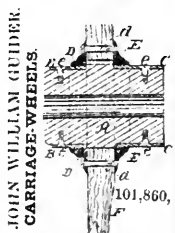
101,853.



OLIVER S. GARRETSON, SASH-PULLEYS.  
101,854.



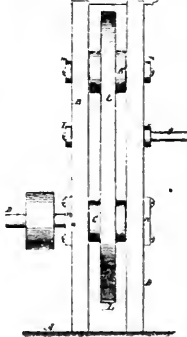
GUSTAVUS ADOLPHUS GOLDSMITH.  
101,855, IN PAPER COLLARS.

101,856, WM. F. GOODWIN.  
CHURNS101,857, PETER R. GOTTSTEIN.  
IMPROVED CANDLE FOR MINERS' USE.101,858, JAMES GRESHAM.  
GIFFARD INJECTOR.A. ETIENNE GUYOT.  
101,859, WINDING WATCHES.JOHN WILLIAM GUIDER.  
CARRIAGE WHEELS.

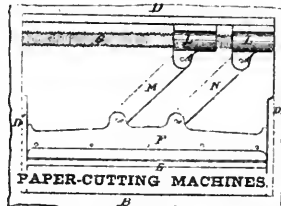
101,860,

101,861, STUART GWYNN. COMPOSITION  
OF MATTER CALLED "METALINE."  
FOR JOURNALS, BEAR-INGS, &c.101,862, STUART GWYNN. IMPROVED  
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"METALINE." FOR JOURNALS, BEAR-  
INGS, &c.101,863, STUART GWYNN. IMPROVED  
COMPOSITION OF MATTERS CALLED  
"METALINE," FOR JOURNALS, BEAR-  
INGS, &c.101,864, STUART GWYNN. IMPROVED  
COMPOSITION OF MATTER CALLED  
"METALINE," FOR JOURNALS, BEAR-  
INGS, &c.101,865, STUART GWYNN.  
IMPROVED COMPOSITION OF  
MATTER CALLED "METALINE."  
FOR JOURNALS, BEAR-INGS, &c.101,866, STUART GWYNN.  
IMPROVED COMPOSITION OF  
MATTER CALLED "METALINE."  
FOR JOURNALS, BEAR-INGS, &c.101,867, STUART GWYNN.  
IMPROVED COMPOSITION OF  
MATTER CALLED "METALINE."  
FOR JOURNALS, BEAR-INGS, &c.101,868, STUART GWYNN.  
IMPROVED COMPOSITION OF  
MATTER CALLED "METALINE."  
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CALLED METALINE, FOR JOURNALS,  
BEARINGS, STEPS, AND OTHER  
ARTICLES LIABLE TO FRICTION.101,870, WM. SAMUEL HALL.  
KILNS FOR BURNING BRICKS, &c.

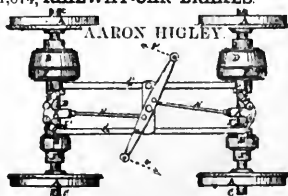
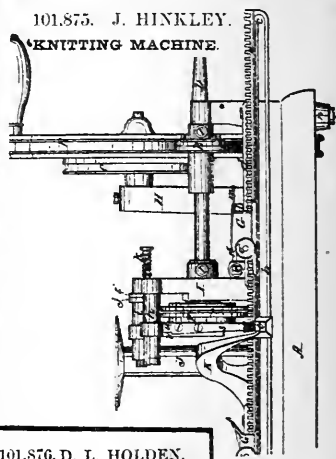
101,871, WM. R. HAMILTON. TUBE-WELLS

GEORGE B. HAMLIN  
DRIVING-GEARING.  
101,872.

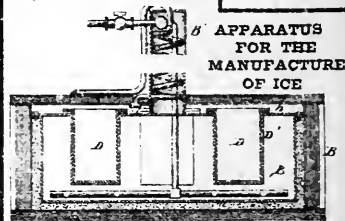
101,873, ANSON HARDY.



PAPER-CUTTING MACHINES.

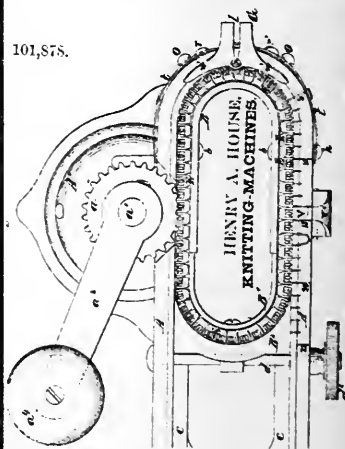
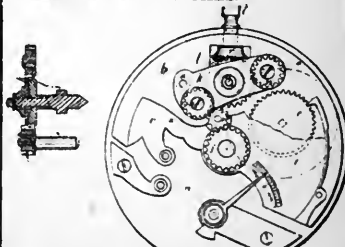
101,874, RAILWAY-CAR BRAKES  
AARON HIGLEY101,875, J. HINKLEY.  
KNITTING MACHINE.

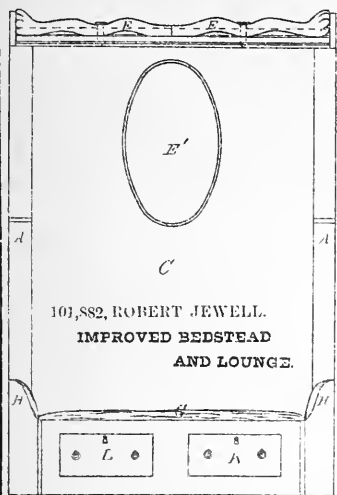
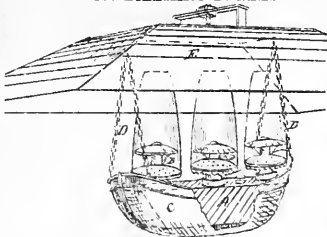
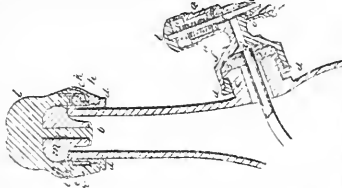
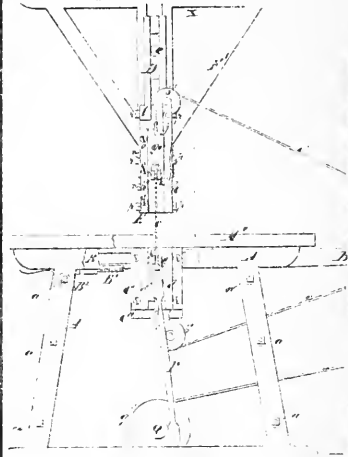
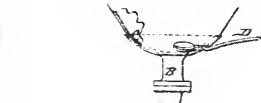
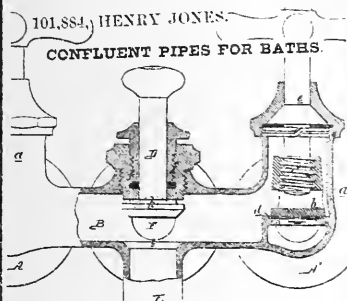
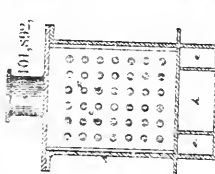
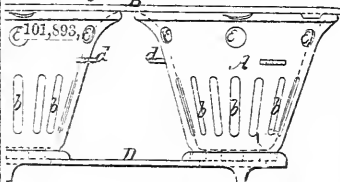
101,876, D. L. HOLDEN.

APPARATUS  
FOR THE  
MANUFACTURE  
OF ICEJOHN W. HOLLINGSWORTH.  
MOLDS FOR METALS

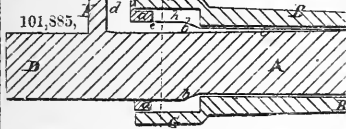
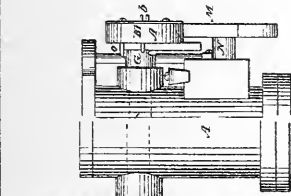
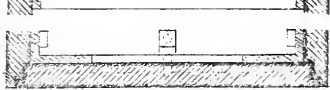
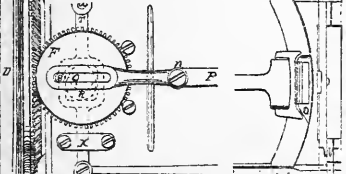
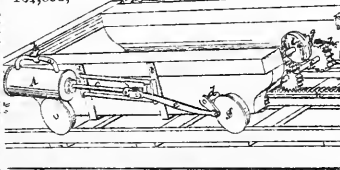
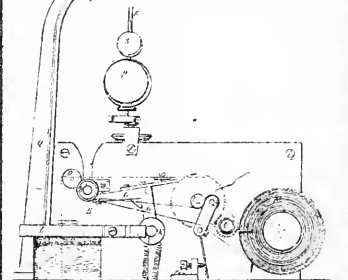
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101,878.

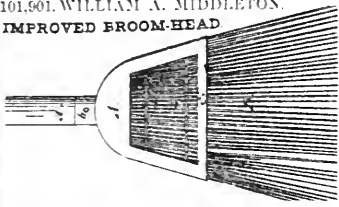
HENRY A. HOUSE.  
KNITTING-MACHINES101,879, THEODORE HYATT. LINING  
AND COVERING REFRIGERATORS  
AND REFRIGERATOR-CARS.101,880, SARDIS W. ISHAM.  
PAINTS AND PIGMENTS.101,881, CHAS. E. JACOT.  
STEM-WINDING WATCHES.

101,888, RUDOLPH KLEEMANN.  
LAMPS FOR BILLIARD-TABLES.JOHN FREDERIC KUBLY. 101,889.  
CHARLES FREDERIC CRAWSHAM.  
BOTTLES FOR GASEOUS LIQUIDS.101,896, ANGUS McALPIN.  
BRICK AND OTHER MOLDS.101,897, REUBEN McCHESNEY.  
SCROLL-SAWS.101,883, G. W. JOHNSON.  
TOBACCO-BAGS.101,890,  
N. H. LEBBY.  
ORE-WASHING MACHINES.T. GRAHAM LIEBENAU ENAMEL FOR  
A. G. HEANEY. 101,891, CLOCK-DIALSREUBEN LIEBENAU.  
SURFACE-CONDENSERS.JAMES HAMMOND LYON.  
PORTABLE FURNACE.

M. F. KELLOGG. LUBRICATING AXLES.

101,886, ADONIRAM KENDALL.  
CUT-OFF AND STEAM-VALVE.101,894, SAFES  
OBADIAH MARLAND.101,899, LEVIN ALBERT MESSINGER.  
PAINT OR COATING  
FOR SHIPS' BOTTOMS.101,887,  
GEORGE F. KENDALL.  
SEWING-MACHINE.SYLVESTER MARSH.  
ATMOSPHERIC BRAKES FOR RAILWAY  
CARS.101,900, MEYER.  
TELEGRAPH-APPARATUS.

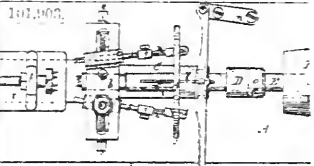
101,901. WILLIAM A. MIDDLETON.  
IMPROVED BROOM-HEAD



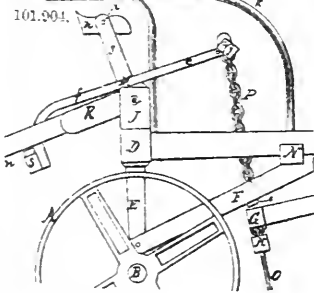
LEON EUGENE CAMERON MOORE.  
JAMES SHOCKEY HAMILTON.  
101,902. LAMPS



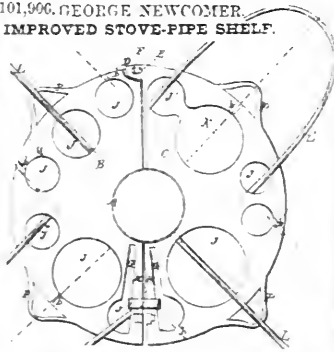
JOHN I. MUNROE. BUNG-CUTTER



J. I. MUNROE. HORSE HAY-RAKES

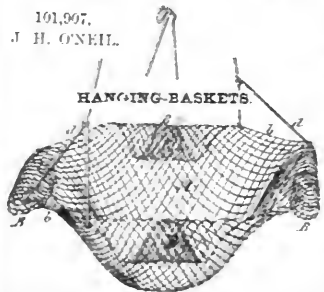


101,905. JOHN MURPHY.  
INDIA RUBBER PACKING.  
BELTING AND HOSE.

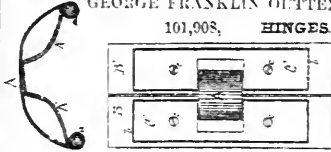


101,907.  
J. H. O'NEIL.

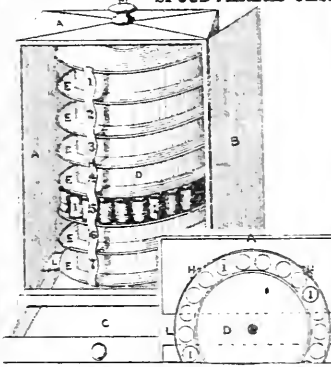
HANGING-BASKETS



GEORGE FRANKLIN OITTEN.  
101,908. HINGES

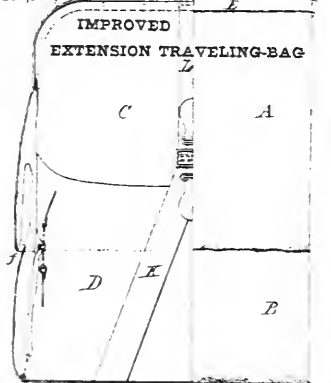


101,909. ALBION PARSONS. IMPROVED  
SPOOL-THREAD CASE

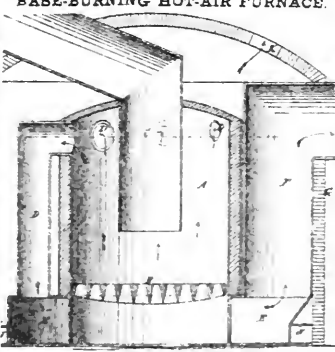


101,910. JULIA W. D. PATTEN.

IMPROVED  
EXTENSION TRAVELING-BAG



101,911. JOHN G. PORTER.  
BASE-BURNING HOT-AIR FURNACE.



101,912. ADDISON C. RAND. WHIPS



101,913. A. C. RAND. WHIPS



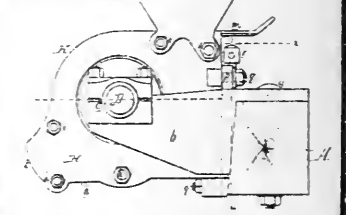
101,914. ADDISON C. RAND WHIPS



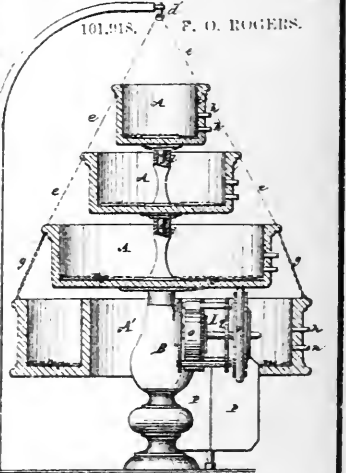
101,915. ADDISON C. RAND. WHIPS



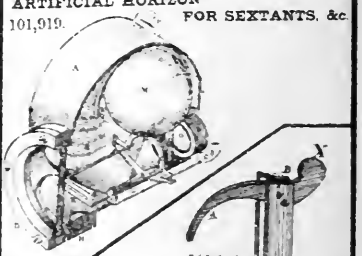
CHARLES HENRY ROBERTS.  
101,917.  
GRINDING-MILLS



ELEVATED AND SUSPENDED GARDENS



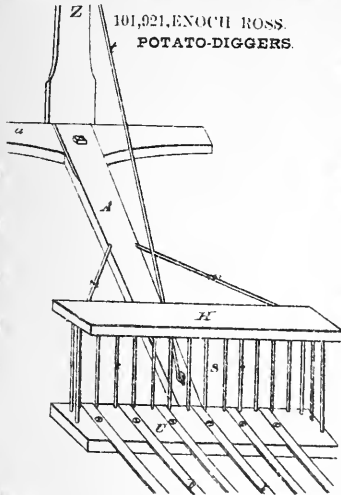
JOSEPH A. ROGERS.  
ARTIFICIAL HORIZON  
FOR SEXTANTS. &c



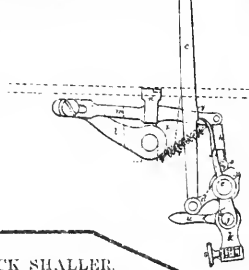
101,920.  
JOSIAH ROSECRANS.  
IMPROVED LIFTING-JACK



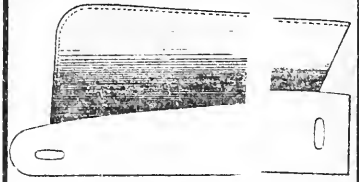
101,921, ENOCH ROSS.  
POTATO-DIGGERS.



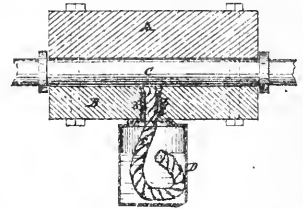
NOWELL F. SAWYER. 101,926,  
FEED-OPERATING MECHANISM  
FOR SEWING-MACHINE



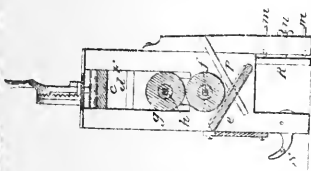
101,932, DAVID FRANCIS SMITH.  
PAPER-COLLARS.



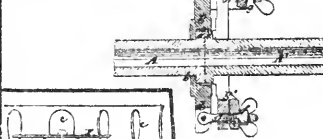
101,933, THOMAS S. SPEAKMAN.  
LUBRICATING AXLE-BOXES.



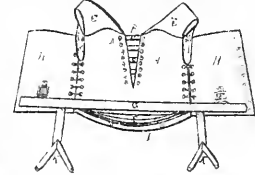
101,922, JOHN G. ROTH.  
IMPROVED CLOTHES-WRINGER.



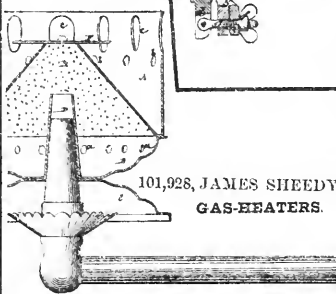
FREDERICK SHALLER.  
101,927, COUPLINGS  
FOR HOSE AND PIPES.



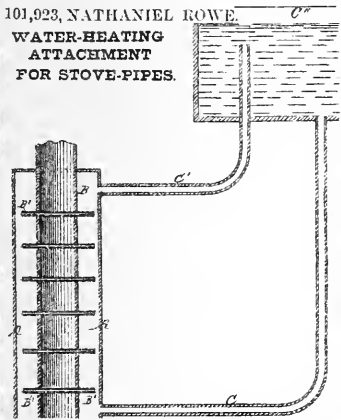
101,934, LINDA SPIGELMYER.  
CHILD'S BODY-BRACE AND SUPPORTER.



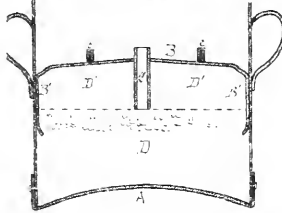
101,928, JAMES SHEEDY.  
GAS-HEATERS.



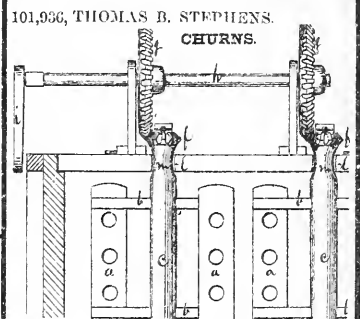
101,923, NATHANIEL ROWE.  
WATER-HEATING  
ATTACHMENT  
FOR STOVE-PIPES.



101,929, A. H. W. SHEPARD.  
METALLIC CAN-COVERS.



101,935, A. RADISSON ST. CYR.  
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MANUFACTURE OF CANDLES.



101,937,  
JOHN STOKES.  
THOMAS BENNETT.  
SPRING-VISE FOR  
GUN-LOCKS.



BENJAMIN F. RYDER. CASTERS FOR  
101,924, SEWING-MACHINES.



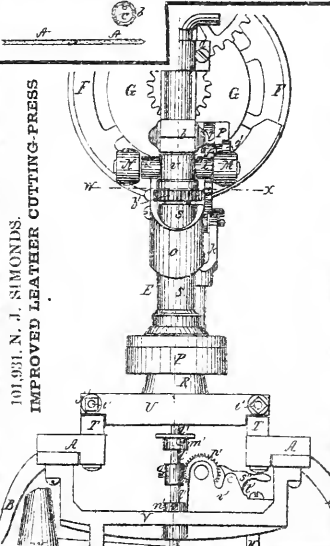
101,925,  
THOMAS SANDBACH.  
JOSEPH W. FOWLER.  
IMPROVED WELL-BORER.



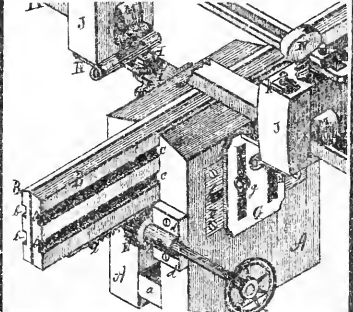
101,930, E. G. SHORT.  
C. OBERLY.  
CUTTER-BARS FOR HARVESTERS



101,931, N. J. SIMONDS.  
IMPROVED LEATHER CUTTING-PRESS

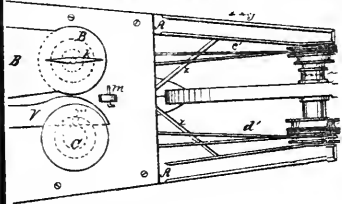


101,938, R. H. STRONG.  
SAW-FILING MACHINE.

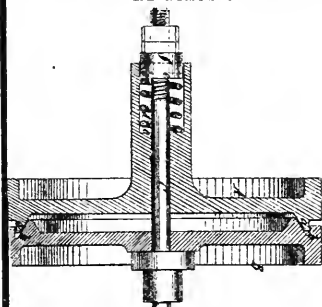




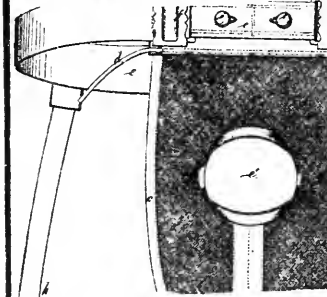
101,939, W. D. STROUD.  
SEED-PLANTER AND CULTIVATOR.



101,940, BENJN. TATHAM.  
REGULATING POWER CONVEYED  
BY FRICTION-SURFACES.

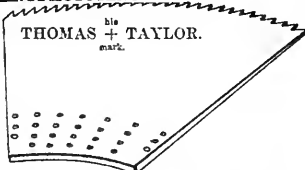


101,941, JOHN L. TAYLOR  
SUSPENSORY BANDAGES.

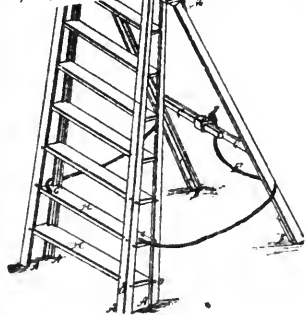


101,942, IMPROVED METHOD OF  
MANUFACTURING CIRCULAR SAWS.

THOMAS + TAYLOR.  
PAT'N.

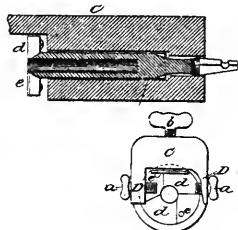


JOHN A. THOMPSON.  
101,943, IMPROVED LADDER.

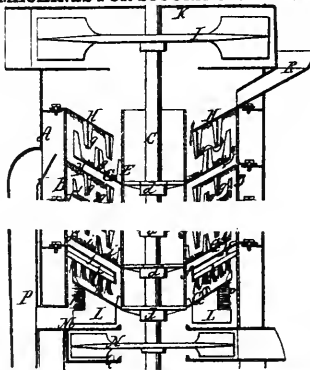


101,944,  
FRUIT-JARS.  
WILLIAM SINCLAIR THOMPSON.

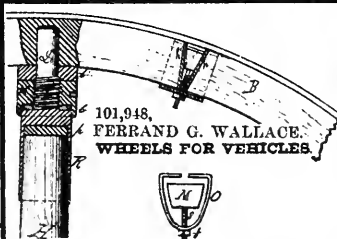
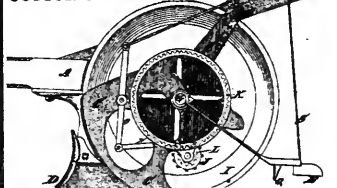
101,945, C. W. TOMPKINS.  
DEVICE FOR TENONING SPOKES.



101,946, B. T. TRIMMER.  
MACHINES FOR SCOURING GRAIN, &c.

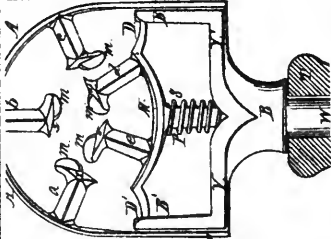


101,947, JOSEPH TRUMP.  
COTTON-SEED PLANTERS.

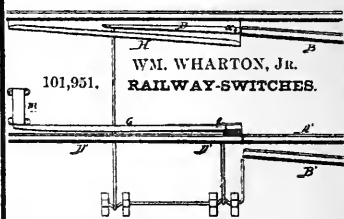
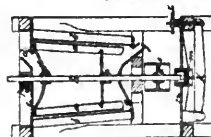


101,948, FERRAND G. WALLACE.  
WHEELS FOR VEHICLES.

THEOPHILUS WEAVER.  
HAND CORN-SHELLERS.

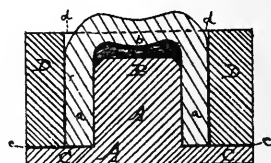


VALENTIN WEISMANTEL.  
101,950, GRAIN-SCOURERS.

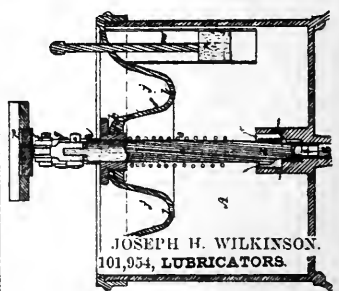
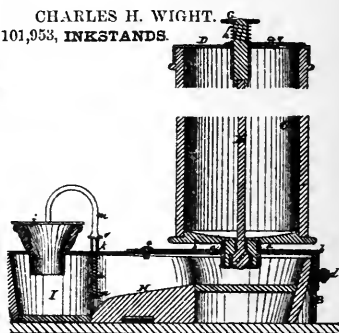


101,951, WM. WHARTON, JR.  
RAILWAY-SWITCHES.

101,952, LE ROY S. WHITE.  
IMPROVED DIE FOR FORMING  
CARRIAGE-SHACKLES.

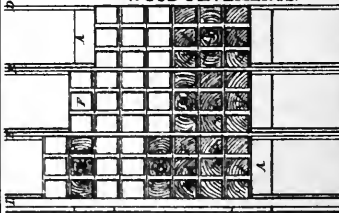


CHARLES H. WIGHT.  
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JOSEPH H. WILKINSON.  
101,954, LUBRICATORS.

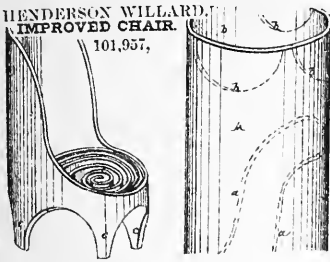
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WOOD PAVEMENTS.



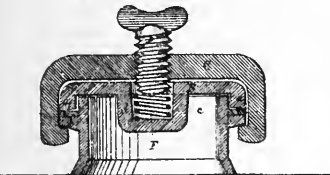
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BARREL.



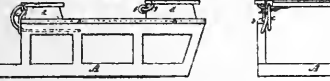
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101,957,



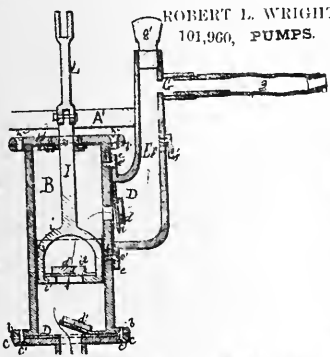
101,958, THEODORE F. WOODWARD.  
FASTENERS FOR FRUIT-JARS.



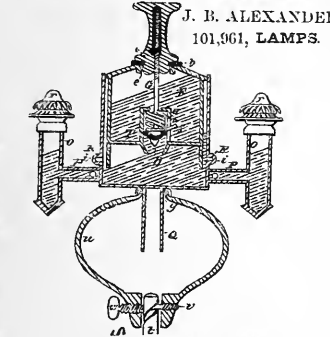
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ADJUSTABLE CARRIAGE-SEATS.



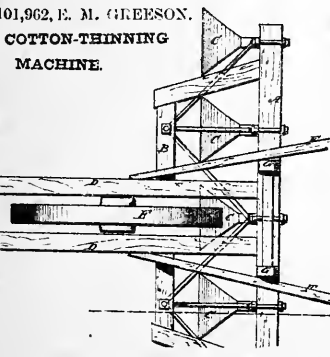
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101,960, PUMPS.



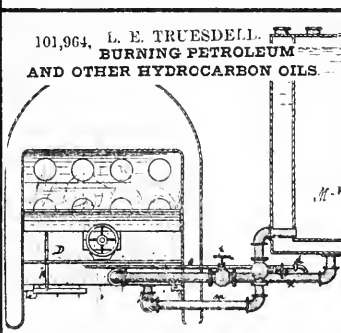
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101,961, LAMPS.



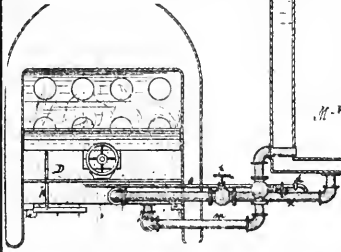
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COTTON-THINNING  
MACHINE.



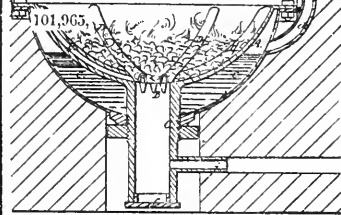
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A. WOOLEVER.  
CONVERTING CAST-IRON INTO STEEL.



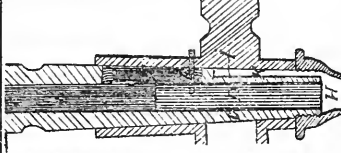
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BURNING PETROLEUM  
AND OTHER HYDROCARBON OILS.



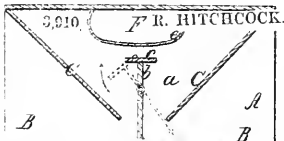
J. R. MORRIS. FURNACES.



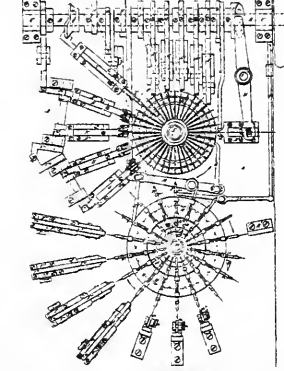
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BEER-FAUCETS.



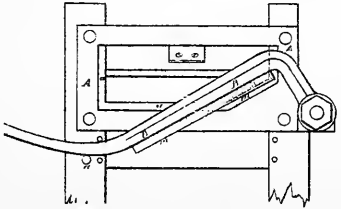
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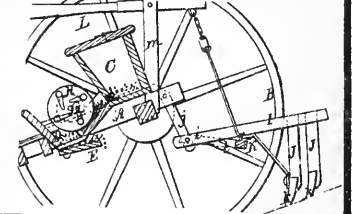
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MACHINE FOR MAKING NEEDLES.



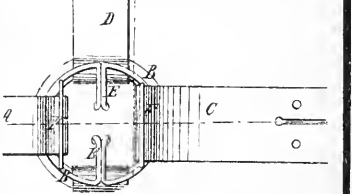
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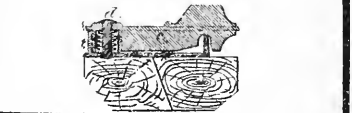
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SEEDING-MACHINES.



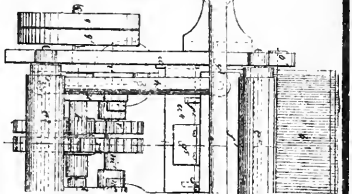
3,914, O. B. NORTH & CO.  
By SAMUEL BRUCE, Sec'y.  
IMPROVED  
TRACE-HOLDER.



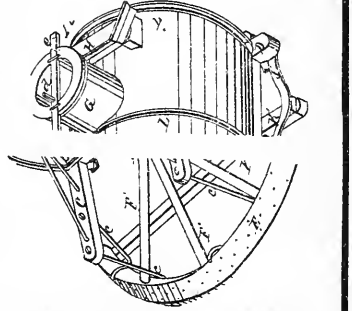
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A. D. JUDD. SASH-FASTENERS.



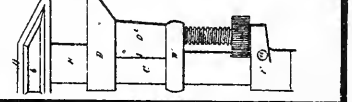
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FELTING-MACHINES.



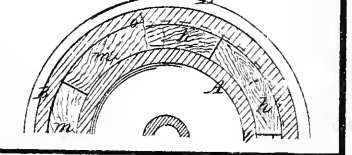
3,917, LOREY F. BANCROFT.  
STREET-SPRINKLERS.



3,918, LORING COES. WRENCHES.



G. NATORP. RAILWAY-CAR WHEELS.  
3,919,



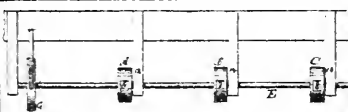
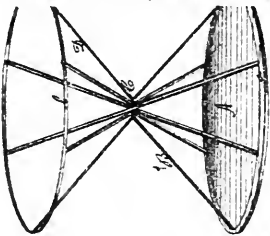
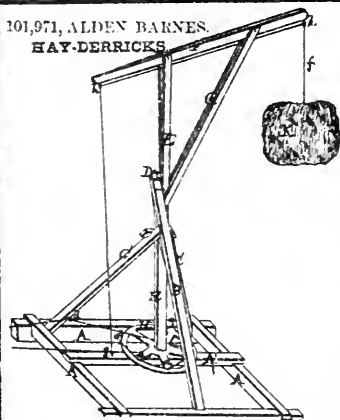
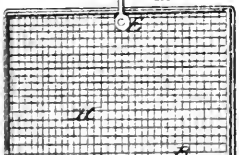
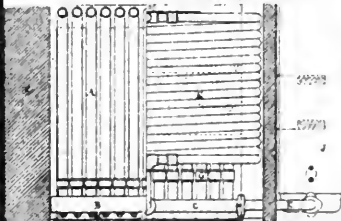
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## ILLUSTRATIONS OF PATENTS

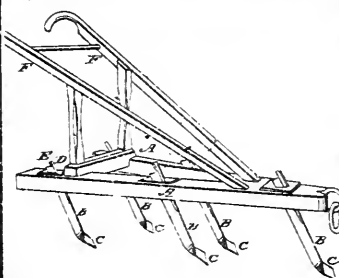
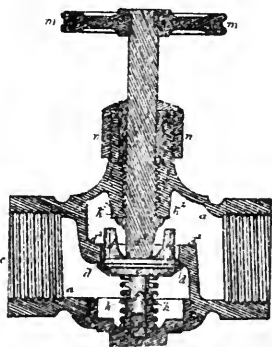
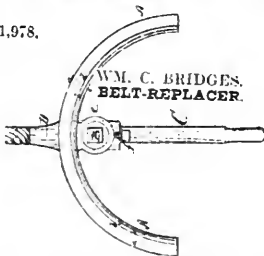
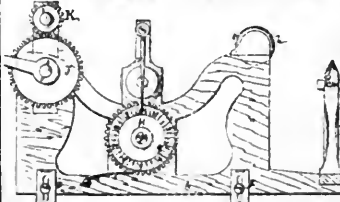
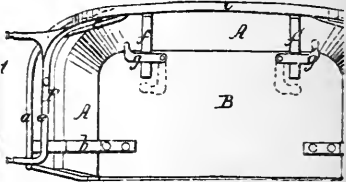
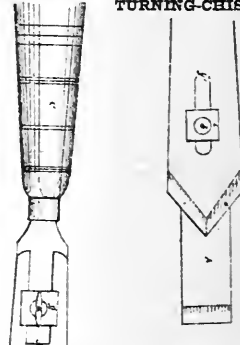
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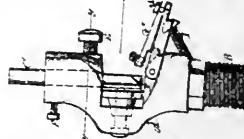
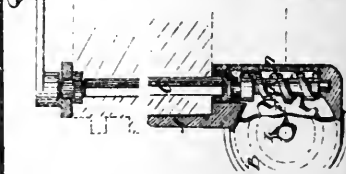
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101,967, I. J. W. ADAMS. APPARATUS  
FOR MEASURING BOARDS.101,968, JOHN AMICK. SPIDER.  
FURNACE FOR BURNING BAGASSE.101,969, HAYDN M. BAKER.  
MANUFACTURE OF  
STEEL FROM CAST OR PIG-IRON.101,970, M. G. BALFOUR.  
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ORLANDO BARR. VENTILATOR.101,973, J. F. BELLEVILLE.  
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COMPOUND FOR BOOTS AND SHOES.101,975, JAMES E. BOUTELLE.  
LATHE-SPINDLE.

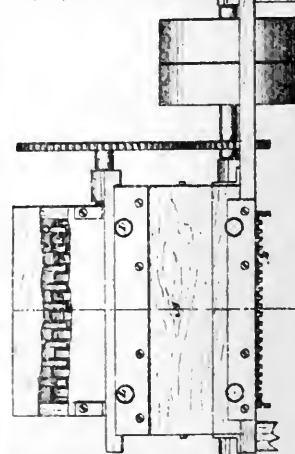
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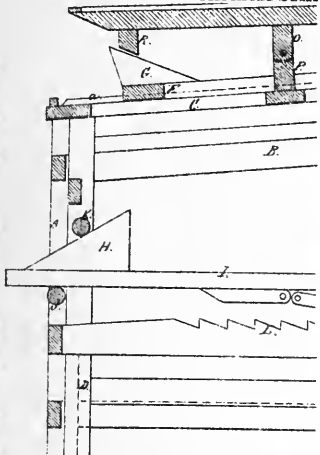
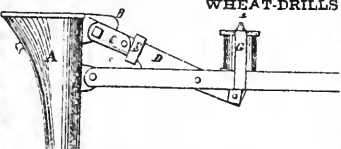
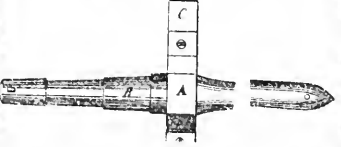
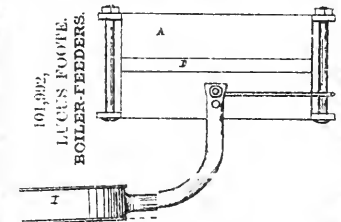
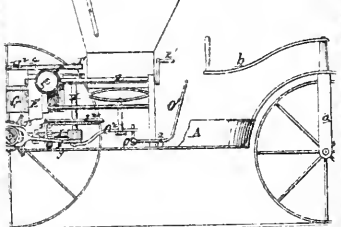
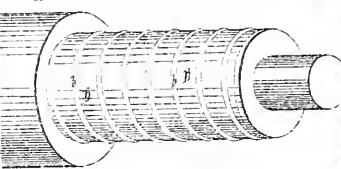
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STOP-COCKS FOR STEAM AND LIQUIDS.101,978,  
WM. C. BRIDGES.  
BELT-REPLACER.101,979, T. M. BRINTNALL.  
CLOTH-MEASURING APPARATUS.101,980, IRA BRONSON.  
SHIFTING RAIL FOR BUGGIES.101,981, R. P. BUTTLES.  
SALMON SWEET.  
TURNING-CHISEL.

101,982, ERASTUS Y. CLARK. SAW-SETS.

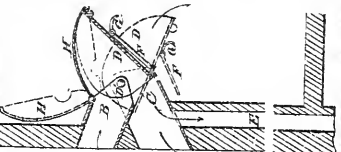
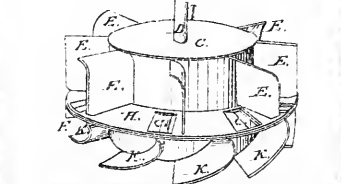
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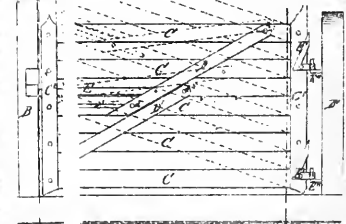


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CAMERA-STAND.101,990, JOHN F. FISHER.  
WHEAT-DRILLS.101,991, JOHN F. FISHER.  
AXLES FOR WHEAT-DRILLS.101,992,  
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BOILER-FEEDERS.101,993,  
F. J. FORSYTH.  
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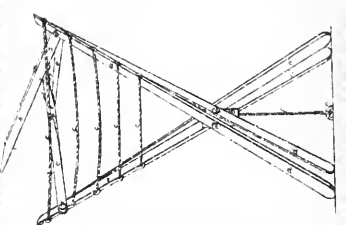
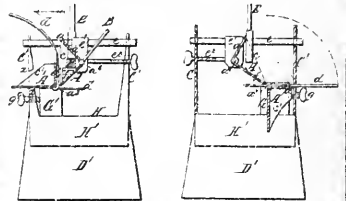
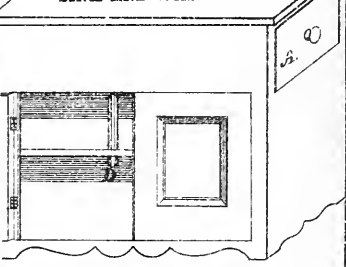
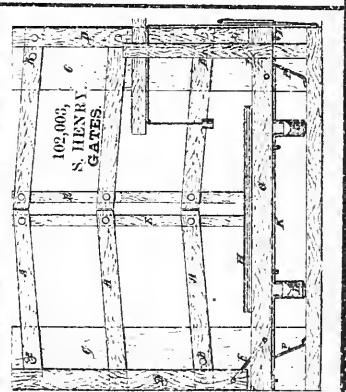
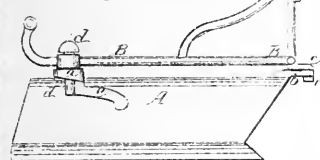
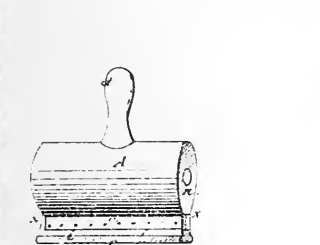
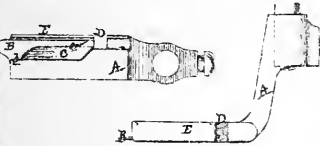
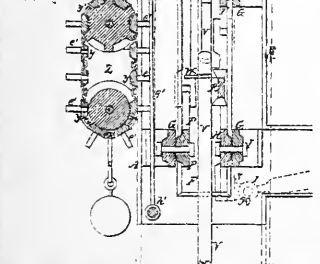
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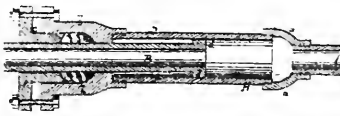
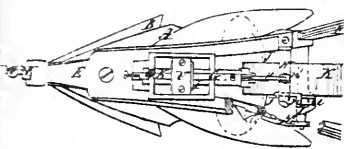
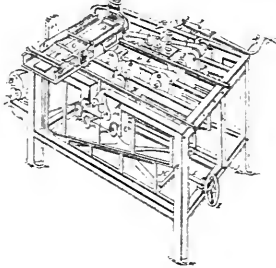
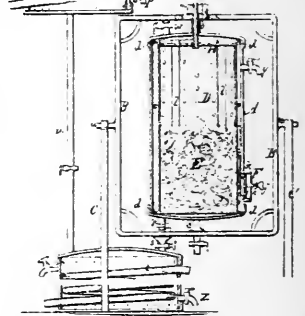
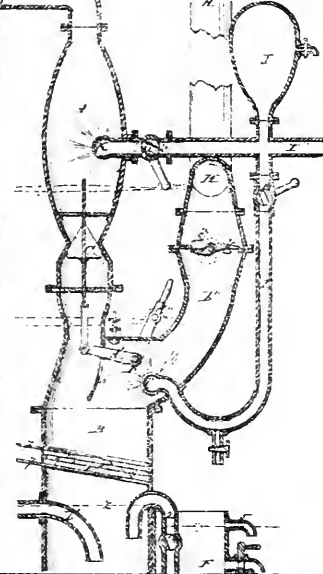
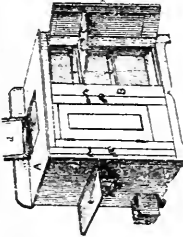
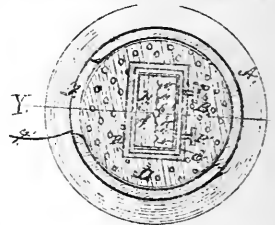
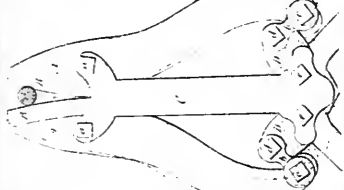
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101,997, HERMAN GREVE. GUN-WIPERS.

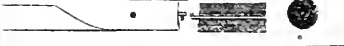
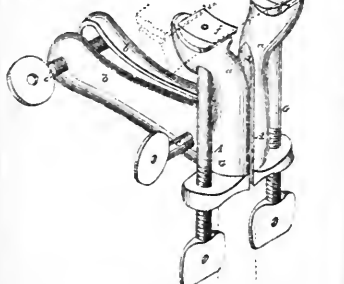
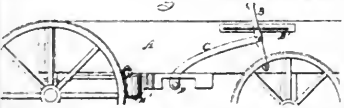
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FARM-GATES.

101,999, J. C. HAINES. CLOTHES-DRIER.

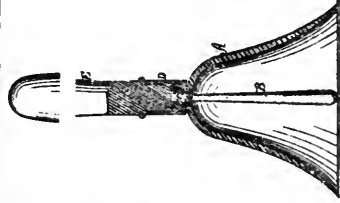
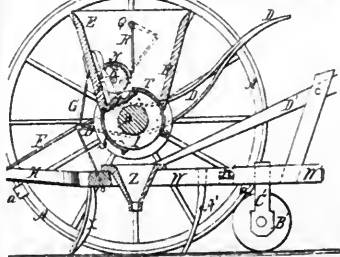
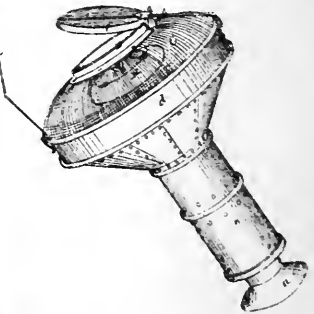
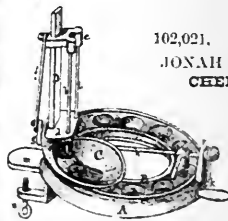
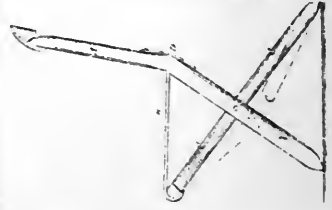
102,000, ANDREW J. HANNA.  
SINGLE-TREE.102,001, C. C. HARE.  
SHEET-METAL BENDING MACHINE.102,002,  
CHRISTER L. HEDELL.  
SINK AND WASH-STAND.102,003,  
S. HENRY  
GATES.101,986, CASPAR DISSER.  
SHIFTING-RAIL FOR  
CARRIAGE-SEATS.101,987, SAM'L G. DUGDALE.  
SLATE-WASHERS.101,988, JOHN V. D. ELDREDGE.  
HEMMER FOR SEWING-MACHINES.101,989,  
ALBERT R. FIELD.  
LOOM.

102,005, L. C. HIPPENSTIEL.  
CORN-PLANTER102,011, DEDRICK JORDAN.  
JOSEPH DILL.  
DOVETAILING-MACHINE102,018, J. W. KREPT'S APPARATUS  
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AND THE LIKE, FROM COTTON AND  
WOOLEN WASTE, AND  
RECOVERING THE SAME.102,005, JOHN HOUPP.  
STEAM-CONDENSER102,012, WILLIAM KELLY.  
CLOSET AND BED.102,013, A. N. KELLOGG,  
J. J. VAN SCHOCK.  
PRINTERS' FURNITURE.102,019, JAMES ALANSON LOOMIS.  
CHARLES FREADRICK MOLL.  
DENTAL APPARATUS FOR CASTING  
PLATES FOR ARTIFICIAL TEETH.HIRAM L. HOWARD BOLT-CUTTER  
102,006.

102,007, LIVER'S HULL WHIPS.

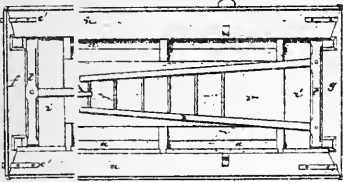
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WAGON TIRE TIGHTENER.102,009, REUBEN HURD.  
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EXPANSION JOINT FOR PIPES.

102,016, JOSEPH KINTZ, BELLS.

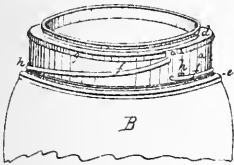
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CORN-PLANTERS102,020, HECTOR MACKINNON.  
SMOKE-STACKS.102,021,  
JONAH MARCHANT.  
CHERRY-STONER.102,022, GEO. McALEER.  
FOLDING CHAIR



102,023, F. G. McCLELLAN.  
COMBINED HAY-RACK AND  
WAGON-BOX



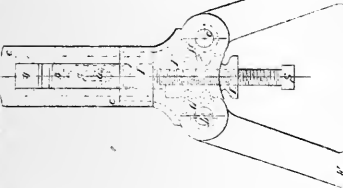
102,024, ROBERT McCULLY. FRUIT-JARS



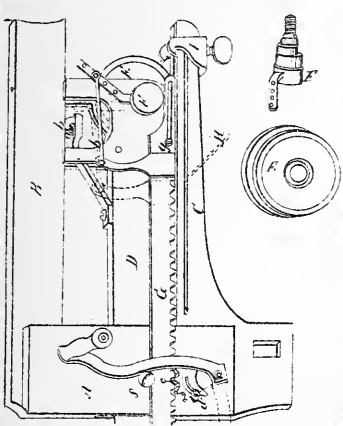
102,025, R. R. MCGREGOR.  
AXLES AND THEIR BOXING



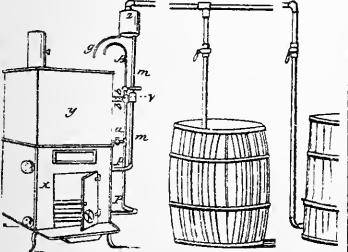
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BOLT-CUTTER



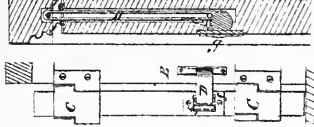
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DANIEL SQUIER.  
SHEET-METAL-GROOVING MACHINES.



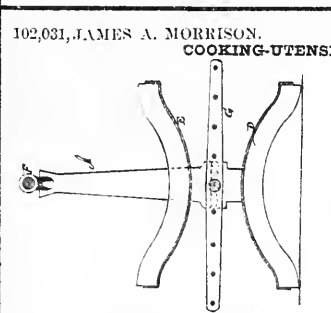
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AGRICULTURAL STEAMER.



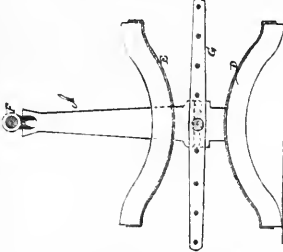
102,029, ABEL MISHLER. DOOR-SPRINGS



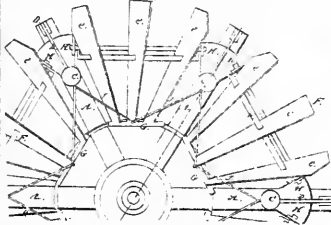
102,030, J. MOOG. METHOD OF  
TREATING TRACING-PAPER.



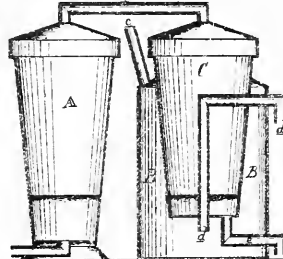
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COOKING-UTENSIL



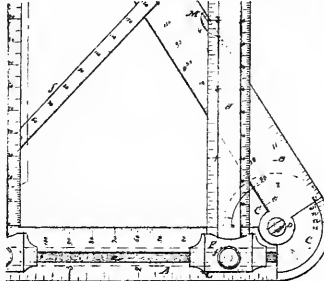
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WINDMILLS



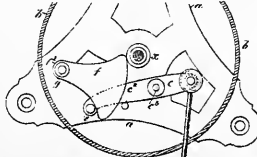
102,033, ALONZO NOTEMAN.  
APPARATUS FOR REDISTILLING  
AND RECTIFYING SPIRITS



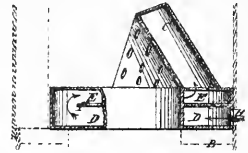
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RULE AND CALCULATOR.



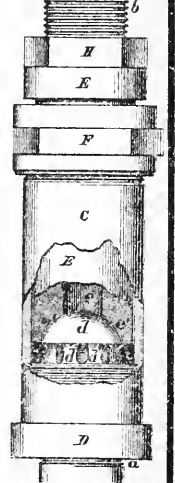
102,035, THOMAS PEMBERTON.  
GEORGE ARTHUR PEMBERTON.  
ALARM AND OTHER BELLS



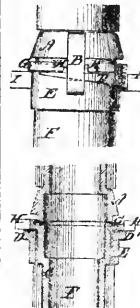
102,036, JOHN L. PFAL.  
ATTACHMENT FOR HEATING-STOVES.



102,037, LOUIS H. PLUM.  
STEAM-TRAP.

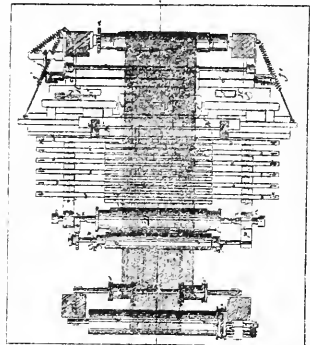


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HOSE-COUPINGS.

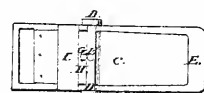


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JEAN DROGAT.

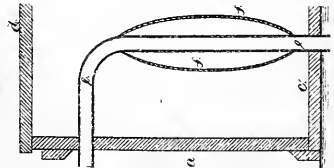
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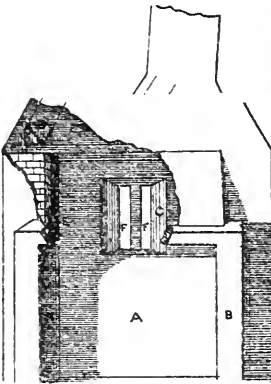
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HARNESS-BUCKLES



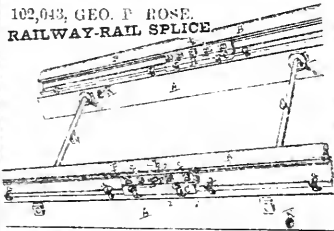
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COOLING ALE AND BEER.



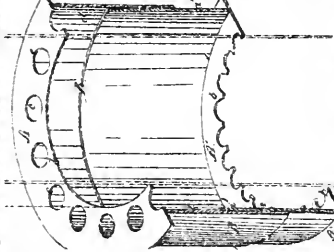
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CHIMNEYS.



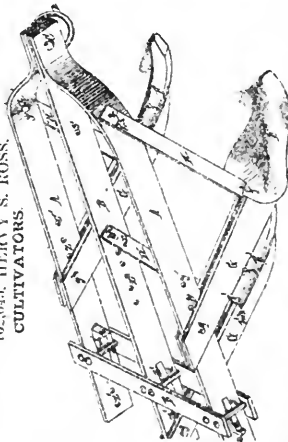
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RAILWAY-RAIL SPLICE.



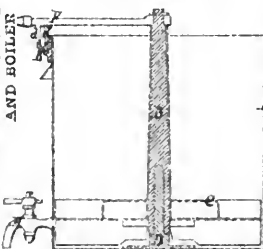
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MILLER BARNEY HUDSON.  
STOVE-PIPE THIMBLES.



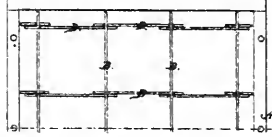
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CULTIVATORS.



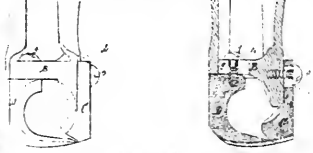
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JOHN RUSSELL,  
THEODORE T. McGRATH.  
WASHING-MACHINE  
AND BOILER.



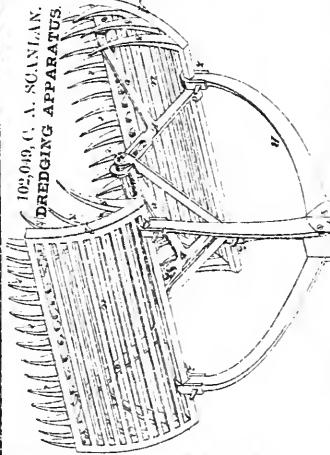
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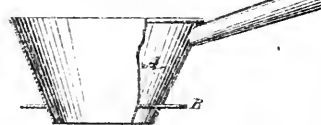
102,048, J. H. SANFORD.  
SHOEMAKERS' EDGE-PLANES.



102,049, C. A. SCANTLIN.  
DREDGING APPARATUS.



102,050, THOS. SCANTLIN.  
FUNNEL CAN-FILLERS.



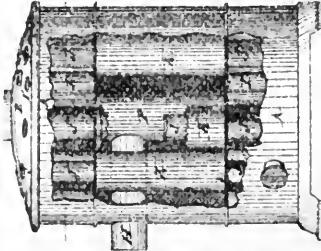
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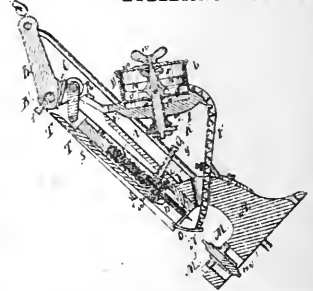
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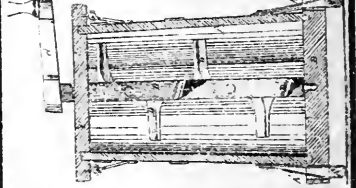
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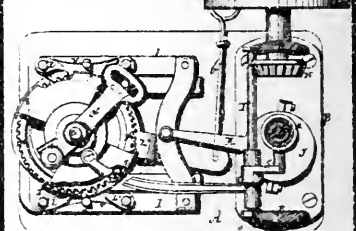
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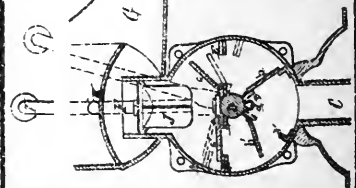
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BUTTER-WORKER.



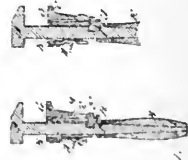
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ARTHUR WALSH.  
WATER-WHEEL REGULATORS.



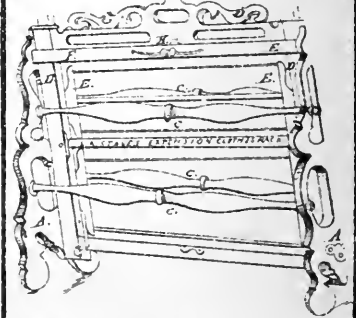
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ROTARY PUMPS.

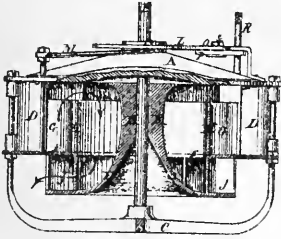


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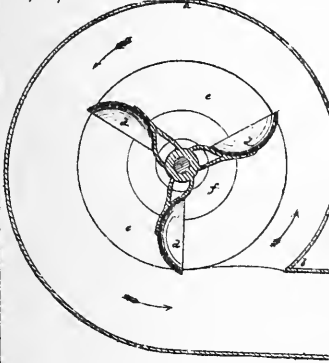
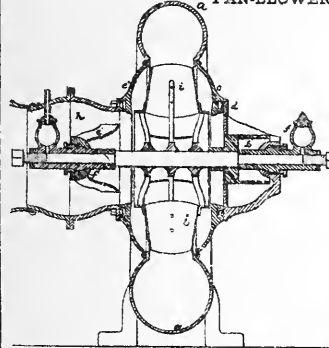
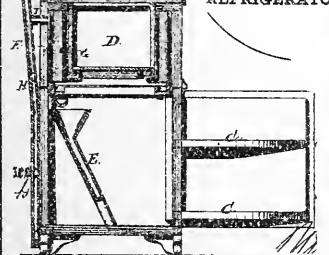


102,059, LEWIS A STAVE.  
CLOTHES-DRIER.

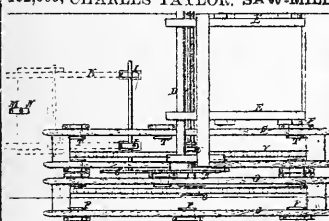


102,060, GILBERT STOVER.  
TURBINE WATER-WHEELS.102,061, WILLIAM M. STUART.  
ROOFING COMPOUND

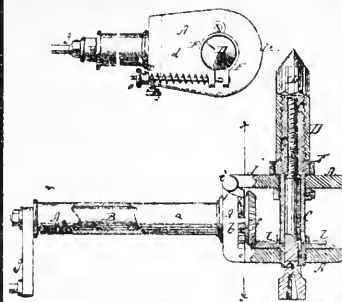
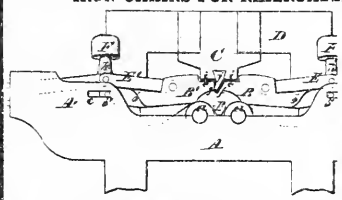
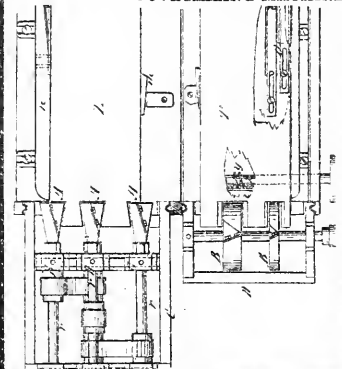
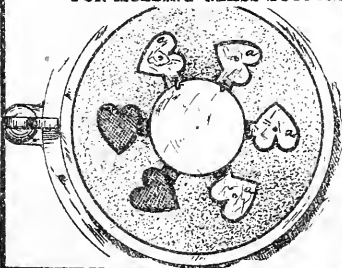
102,062, B. F. STURTEVANT. BLOWERS.

102,063, B. F. STURTEVANT.  
FAN-BLOWERS102,064, ANTHONY B. SWEETLAND.  
REFRIGERATOR

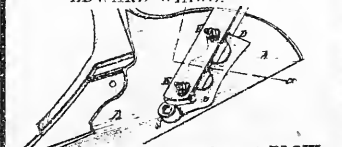
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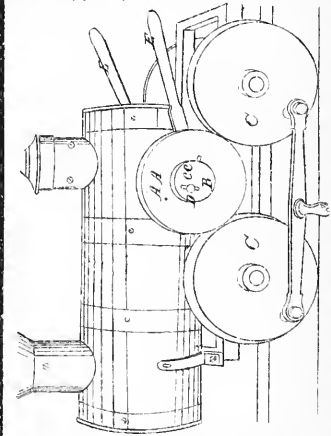
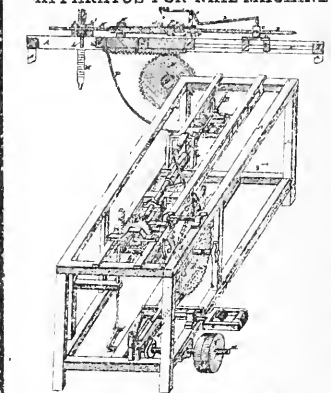
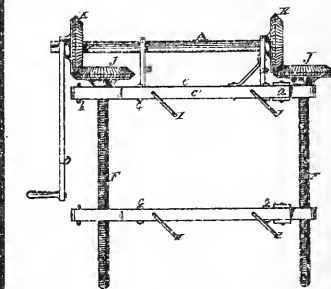
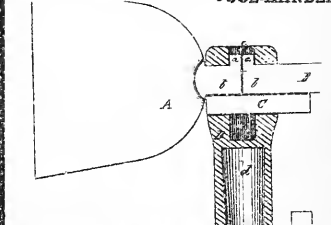
102,066, ALEX'R. THOMPSON. DRILL

102,067, JOSEPH WOOD TUTTLE.  
JULIUS PETERSON.  
DETACHING-HOOKS.102,068, WM. VAN ANDEN.  
MACHINE FOR MAKING WROUGHT  
IRON CHAIRS FOR RAILROADS.102,069, JAMES R. VAN EPPS.  
DOVETAILING-MACHINE102,070, CHARLES VIGNERON. MACHINE  
FOR MOLDING GLASS BUTTONS

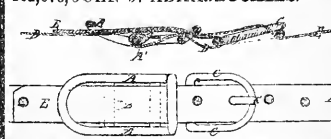
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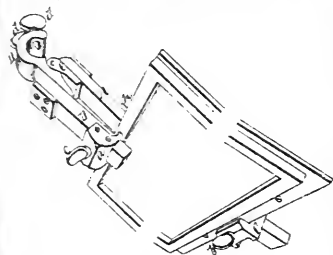
HANDLE-SEATS FOR FLOW

102,072, JOSEPH C. WILSON  
LOCOMOTIVE AND CAR-BRAKES.102,073, URIAH S. WOLFF. FEEDING  
APPARATUS FOR NAIL-MACHINE102,074, ALVIN N. WOODARD.  
BELT-TIGHTENERS.102,075, EDWIN L. ABERCROMBIE.  
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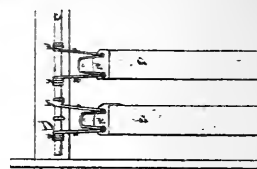
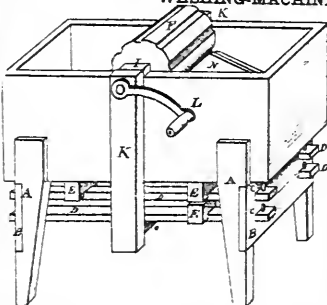
102,076, JOHN J. ADAIR. BUCKLES.



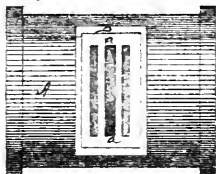
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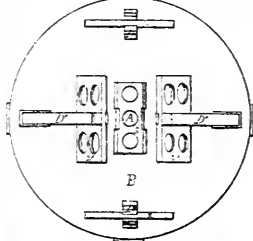
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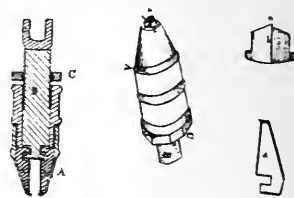
102,078, Q. S. BACKUS. PROCESS FOR FACING VALVES AND VALVE-SEATS FOR STEAM-ENGINES.



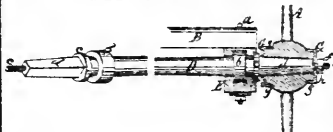
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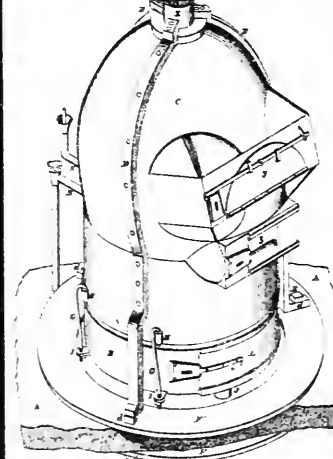
102,090, CHAS. E. BUTLER. ADJUSTABLE HOLLOW DRILL.



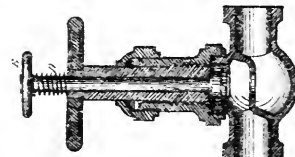
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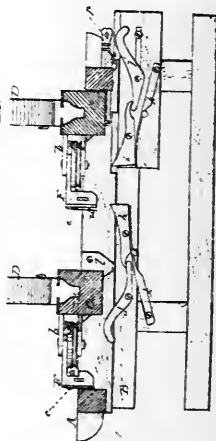
102,080, GAIN BEEMAN. STOVE FOR RAILROAD CARS.



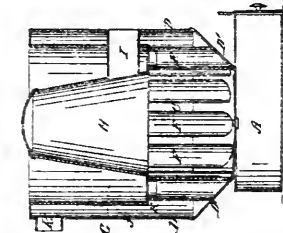
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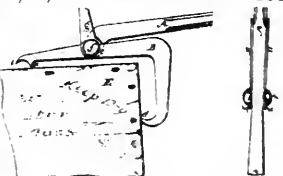
102,091, JAS. A. CLARK. HEAD-BLOCKS OF SAW-MILLS.



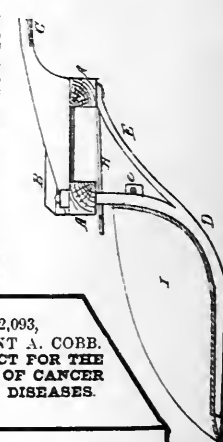
102,086, LORENZO W. BROWN. HOT-AIR FURNACE.



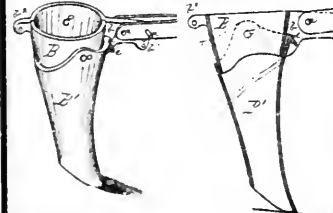
102,087, CHARLES BRUSO. BOX-HOOK.



102,092, J. W. CLARKE. COMBINED MANURE-FORK AND SCRAPER.

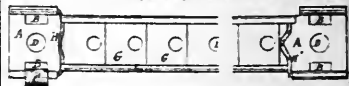


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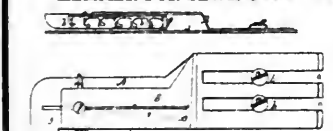


102,093, PLEASANT A. COBB. EXTRACT FOR THE CURE OF CANCER AND OTHER DISEASES.

102,094, HILAS D. DAVIS. PATTERN-CHAIN FOR LOOMS.



102,082, ALMON W. BOOMER. JOHN P. HASKINS. HEMMER FOR SEWING-MACHINE.

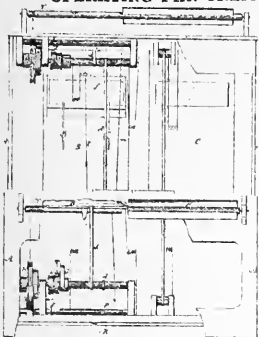
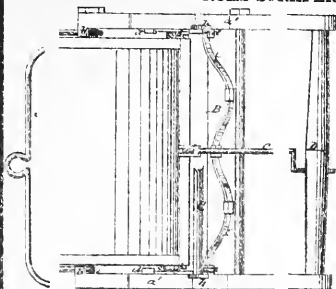
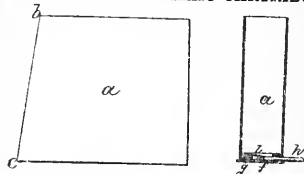
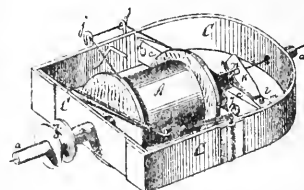
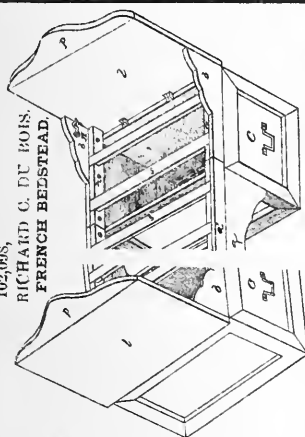
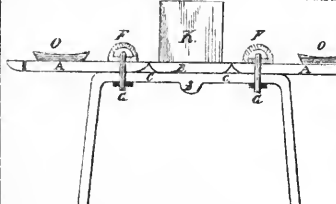
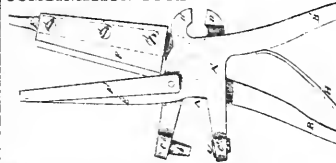
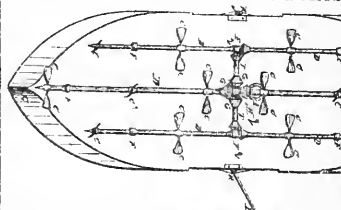
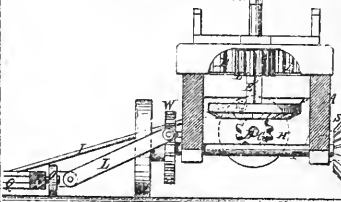
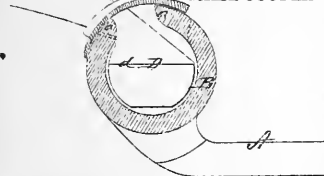
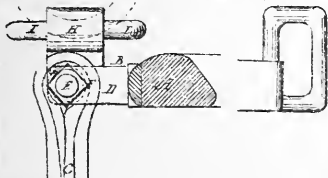
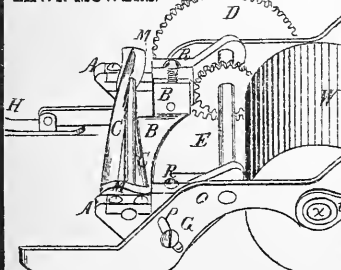
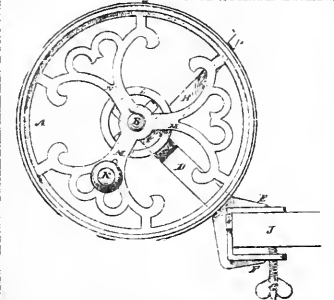
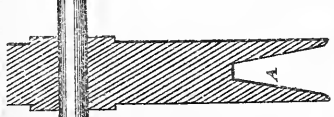
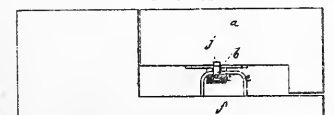
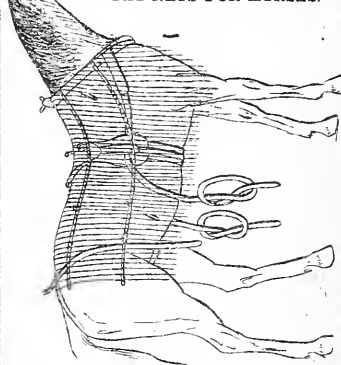
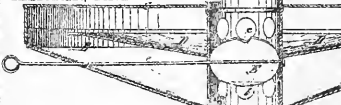


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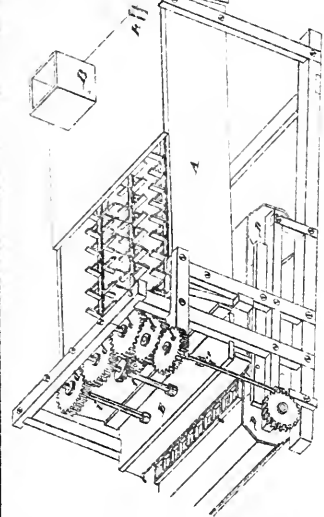
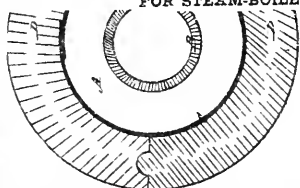
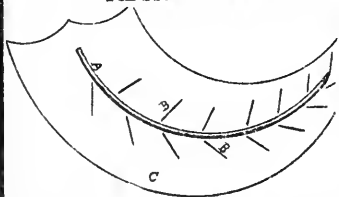


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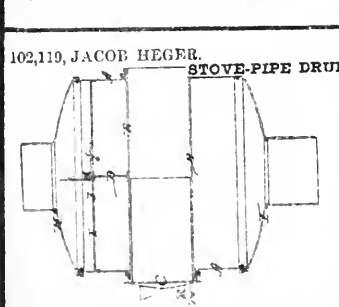
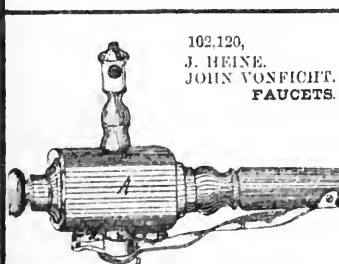
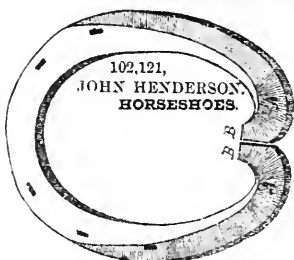
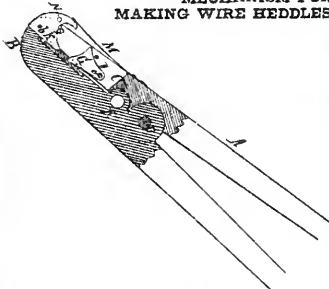
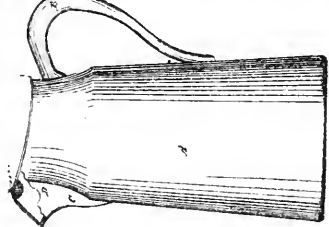
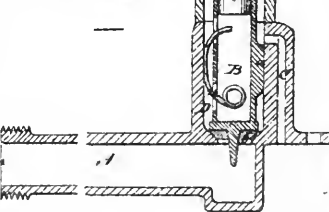
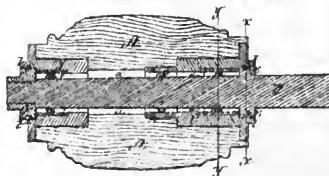
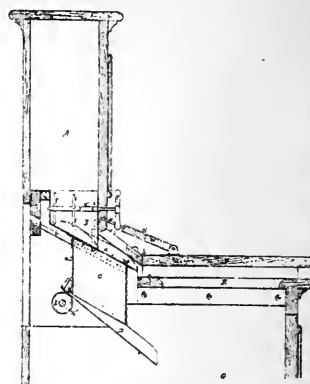
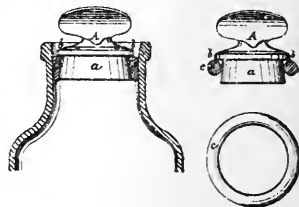
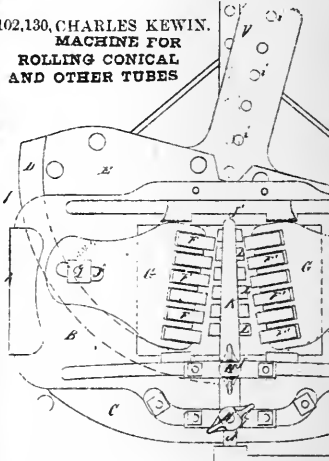


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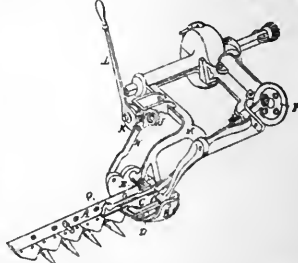
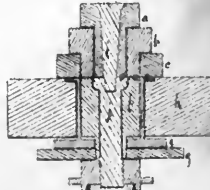


102,115, GEO. W. BARLAN.  
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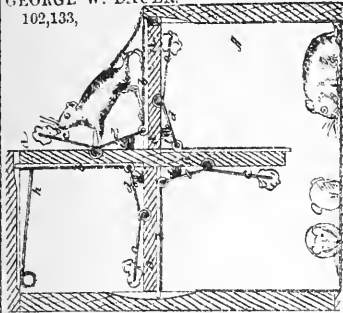
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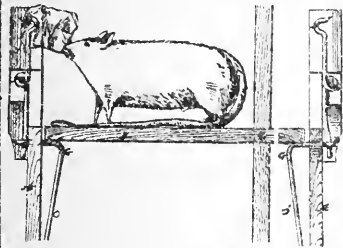
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102,132, JOSEPH G. KITTREDGE.  
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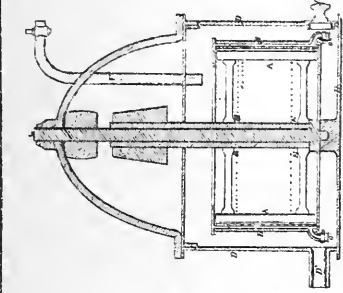
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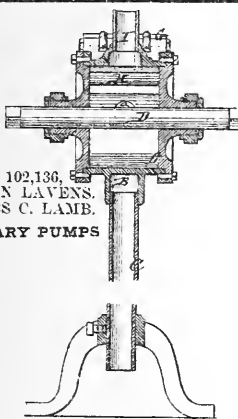
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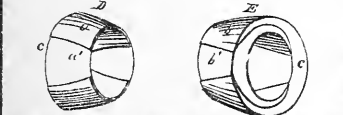
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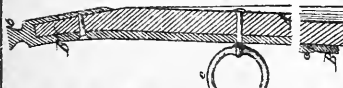
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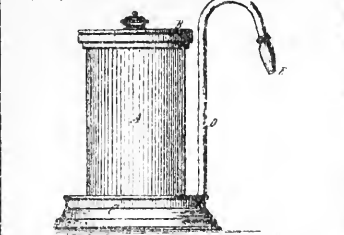
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**PISTON-ROD PACKING.**



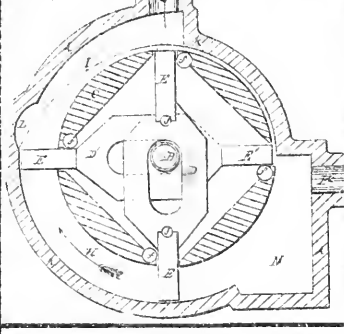
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**HAMES FOR HARNESS**



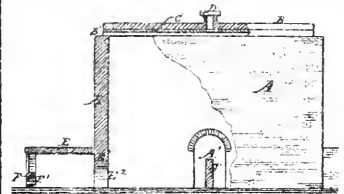
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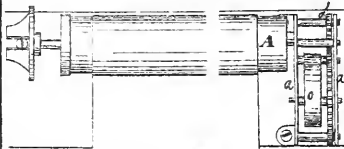
HENRY W. MATHER. **ROTARY PUMPS**  
102,140,



102,141, W. T. MATHEWS **BRICK-KILNS.**



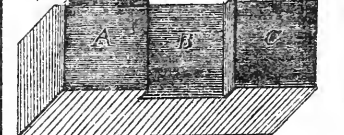
102,142, FERDINAND C. D. MCKAY.  
**SELF-WINDING AND BALANCING  
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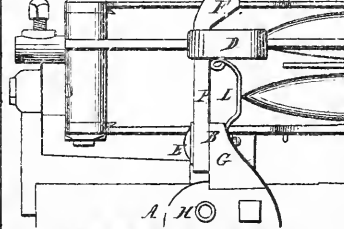
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HENRY MINER.  
**STOVE-GRATES.**



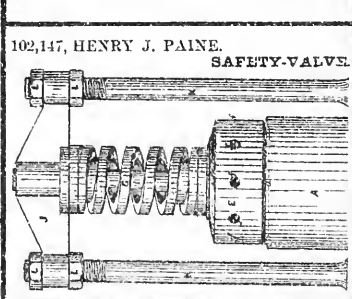
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JOHN THOMSON.  
102,144, **PAVING-BRICKS.**



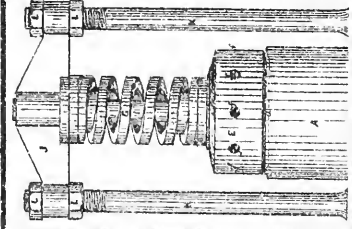
102,145, WM. MONTGOMERY.  
**PICKER-CHECK FOR LOOMS.**



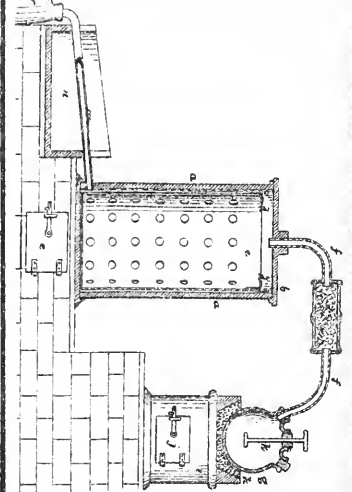
102,146, CHARLES MOTIER NES.  
**MANUFACTURE OF STEEL.**



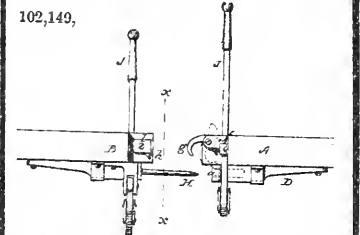
102,147, HENRY J. PAINE.  
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102,148, DUBOIS D. PARMELEE.  
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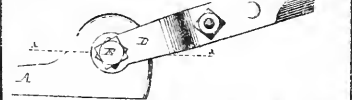
W. B. PARSONS. **CAR-COUPPLINGS.**



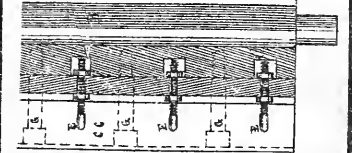
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102,150, **DOUBLE-SHOVEL  
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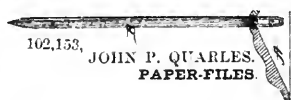


102,151, IVA POFFENBERGER.  
**JOINT FOR PITMAN-HEADS,  
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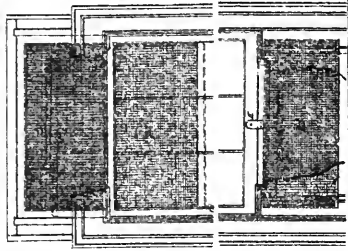
102,152, WILLIAM PORTER.  
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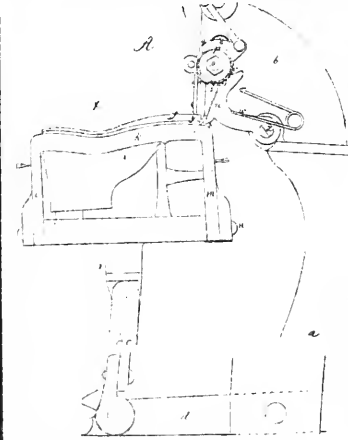


102,153, JOHN P. QUARLES.  
PAPER-FILES.

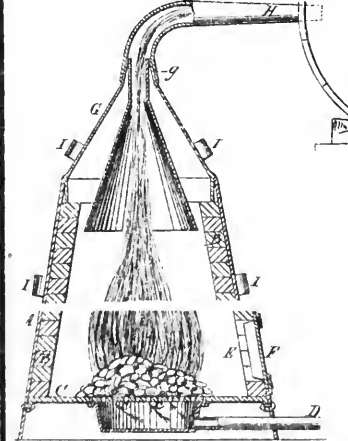
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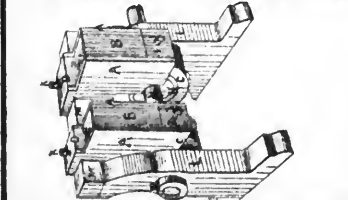
102,155, T. K. REED.  
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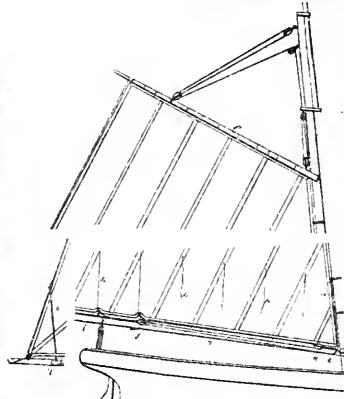
102,156, HERMANN REUTTI.  
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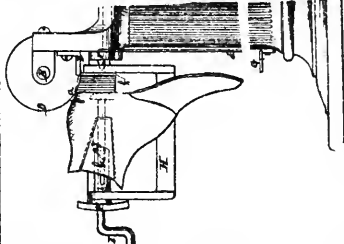
102,157, ISRAEL L. G. RICE.  
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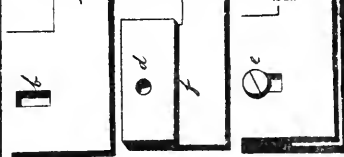
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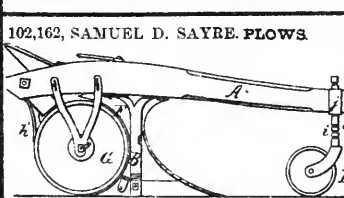
102,159, EVERETT P. RICHARDSON.  
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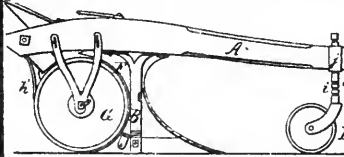
102,160, JOHN H. ROBSON.  
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102,161, JOHN B. RODGERS.  
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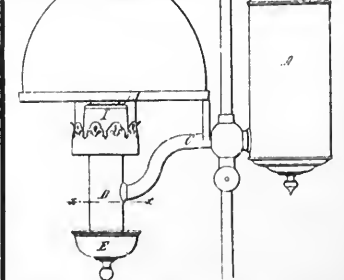


102,162, SAMUEL D. SAYRE. PLOWS.

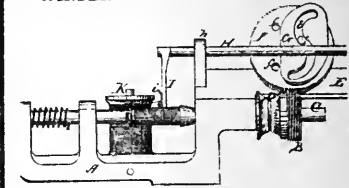


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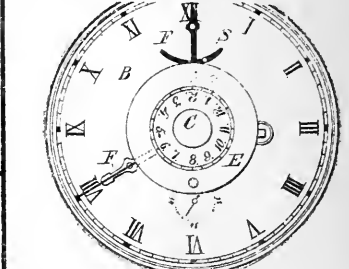
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LAMPS.



102,164, THOMAS SHANKS. BOBBIN-  
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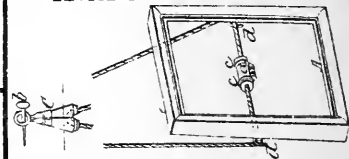


102,165, DAVID SHIVE.  
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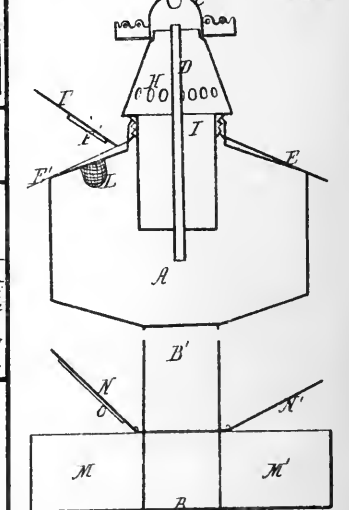


102,166, CHS. F. A. SIMONIN.  
EDWARD W. COFFIN.  
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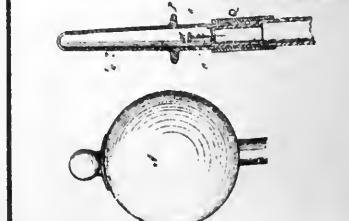
102,167, CORELLI W. SIMPSON.  
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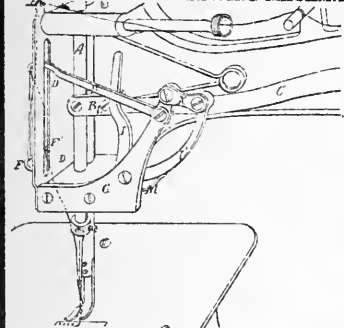
102,168, FRANCIS VANVOST SLEETH.  
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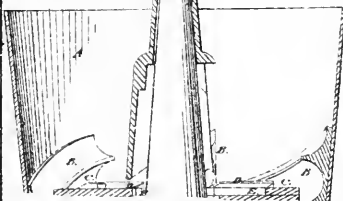
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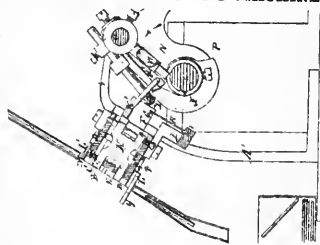
102,170, G. A. SMITH.  
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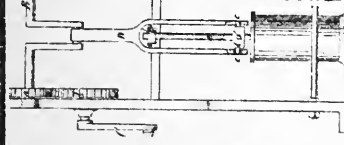
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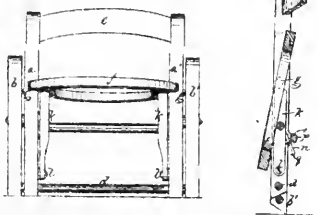
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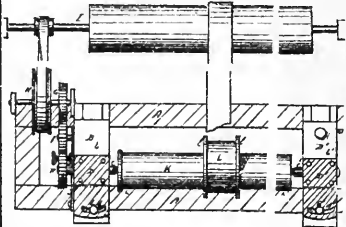
102,171, RUTH N. SMITH.  
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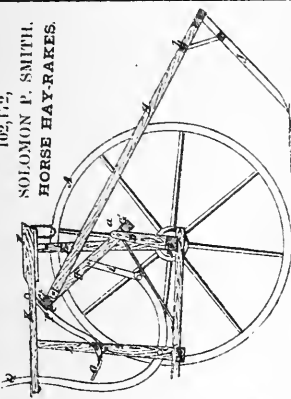
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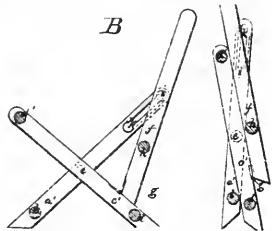
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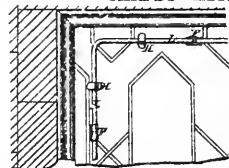
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SOLOMON P. SMITH.  
HORSE HAY-RAKES.



102,179, ALEXR. W. STEWART.  
FOLDING CHAIR

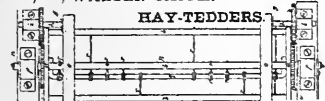


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CARPET-FASTENER.

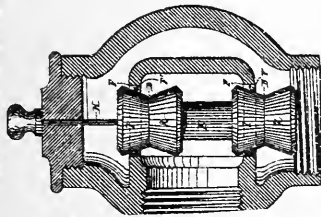


102,173, WALTER SMITH.

HAY-TEDDERS.



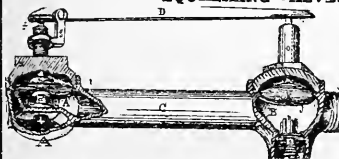
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GOVERNOR-VALVE.



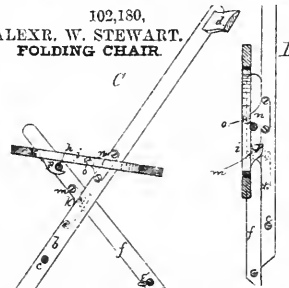
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APPARATUS FOR COOLING GRAIN.



102,176, JOHN J. STEIGER. SELF-ACTING  
EQUALIZING-VALVES



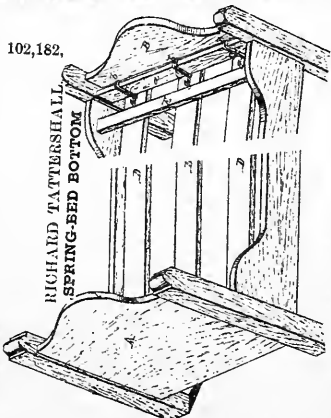
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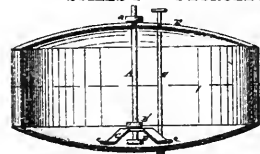
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102,182,

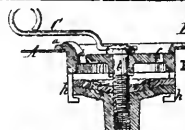
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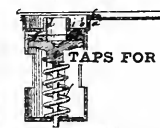
102,186, JOHN WARREN.  
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102,187,  
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102,188,  
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102,189,  
J. D. WILLIAMS  
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102,190, MORRIS WISE.  
BUTTON-FASTENINGS.

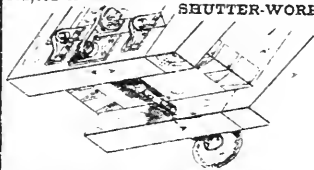


102,191, HERMANN WOLFF.  
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102,192, HERMANN WOLFF.

SHUTTER-WORKER.



102,193, J. H. WOOD.

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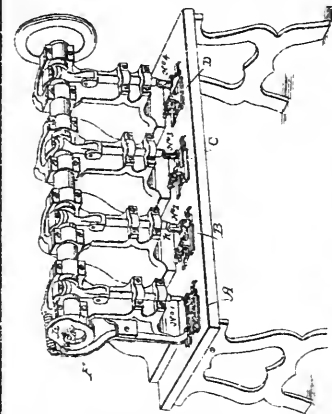


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MEDICINE FOR COUGHS AND COLDS.

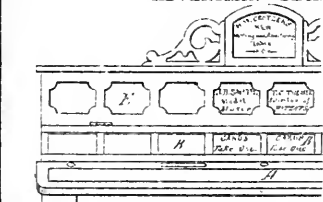
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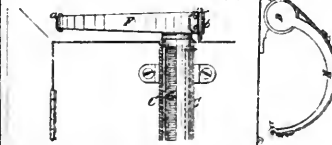
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ADVERTISING-DESKS.



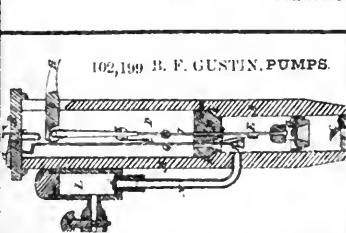
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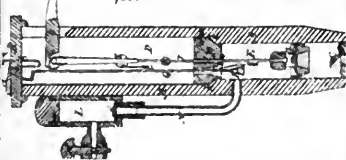


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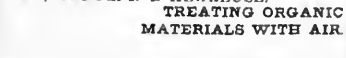


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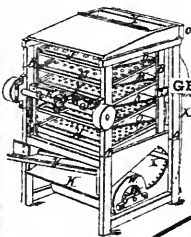
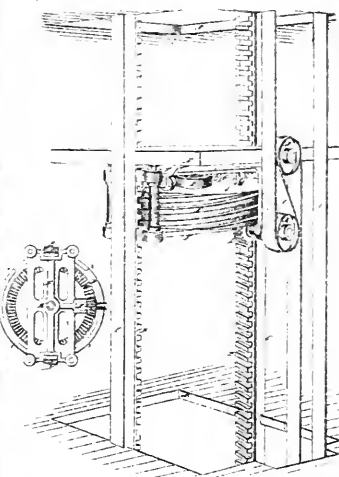
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TREATING ORGANIC MATERIALS WITH AIR.



3,922, WILLIAM MILLER.

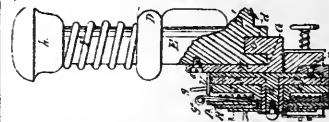
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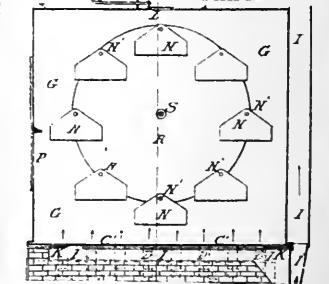
G. B. TURNER.  
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3,927, B. B. HILL. HAND-STAMPS.

3,928, CHARLES A. KING.  
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3,929, M. A. E. MCKENZIE.

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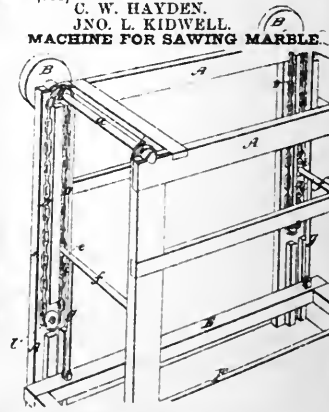


3,930, LYMAN A. COOK.

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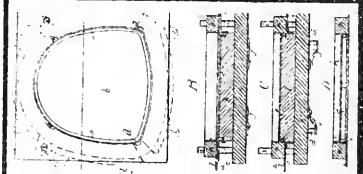
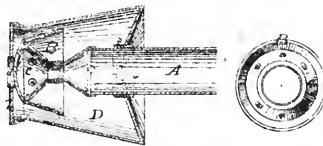


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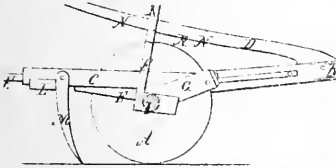
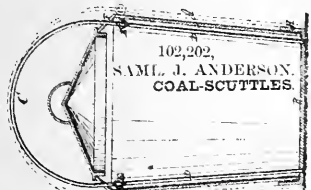
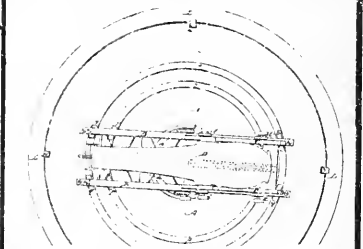
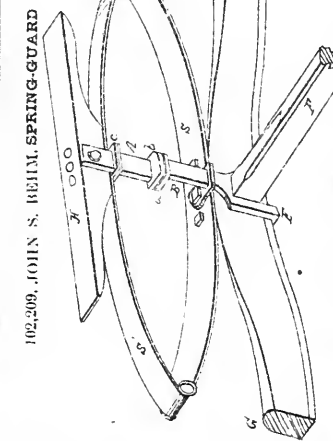
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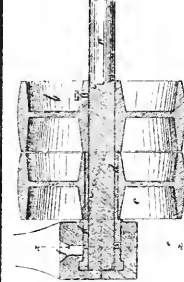
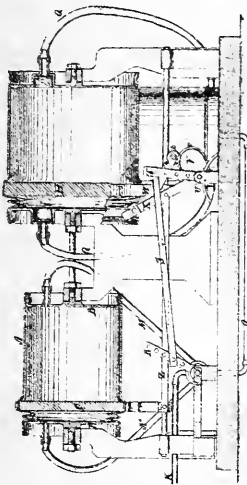
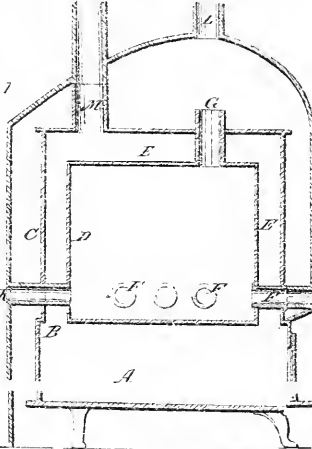
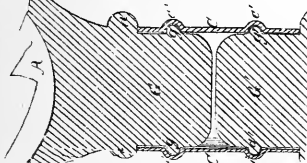
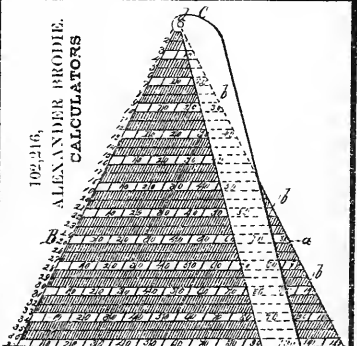
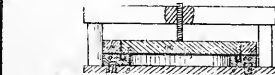
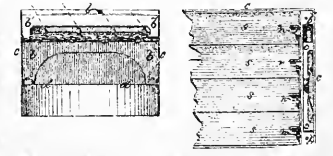
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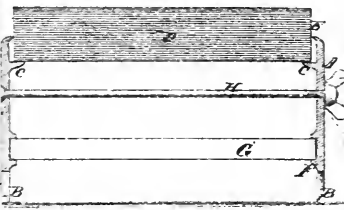
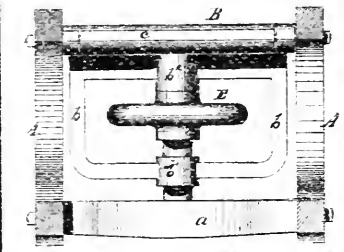
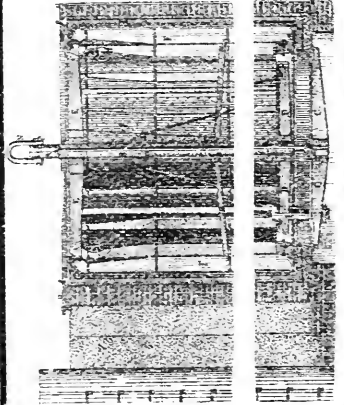
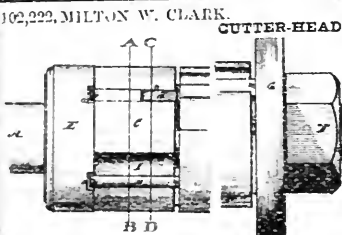
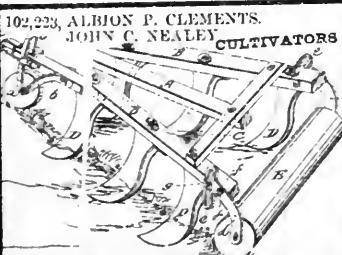
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102,213, A. T. BREWER. COUNTERPOISE  
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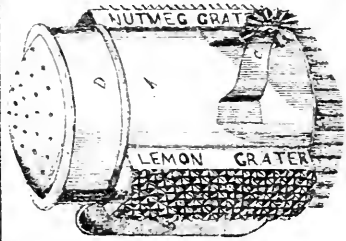
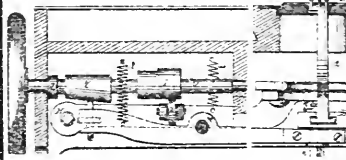
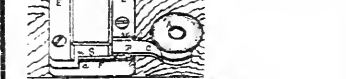
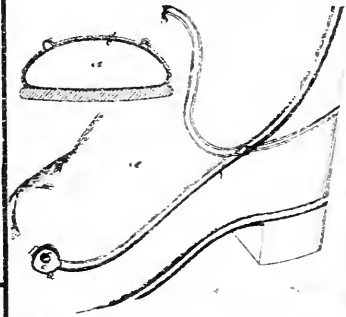
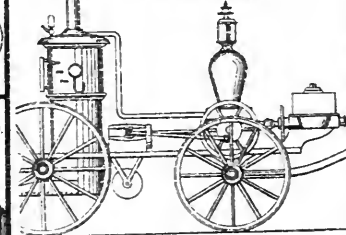
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102,215,  
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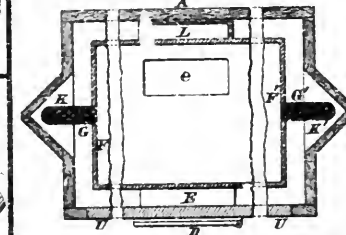
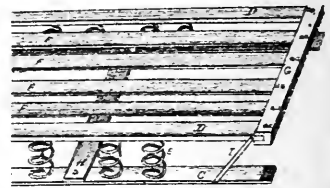
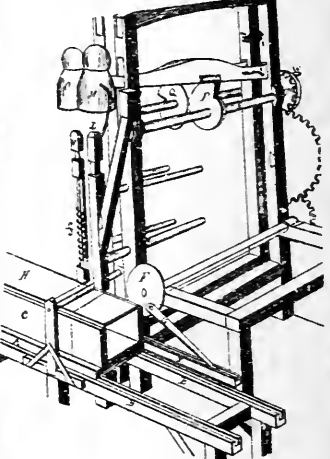
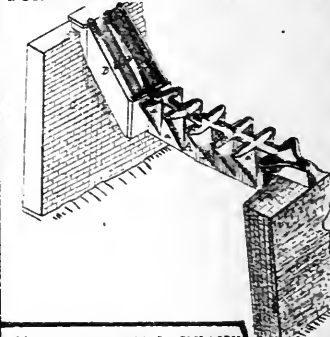
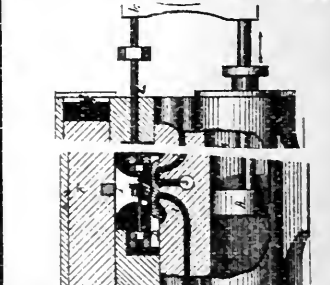
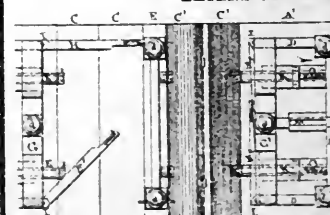
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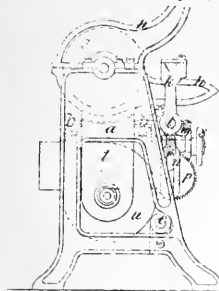
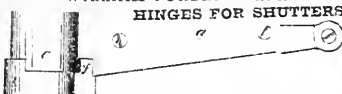
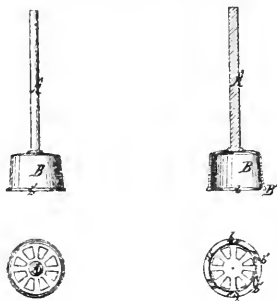
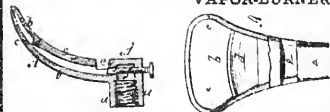
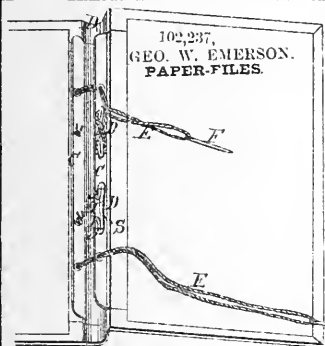
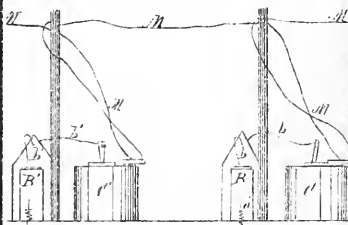
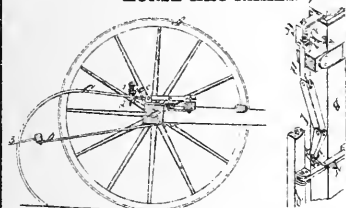
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102,224. THOMAS COMBS. OINTMENT.

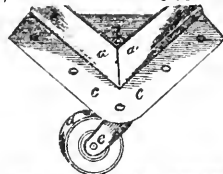
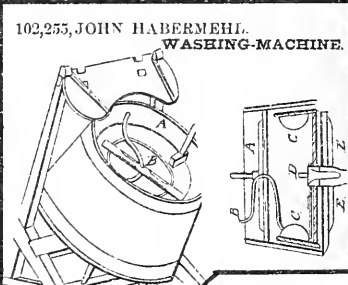
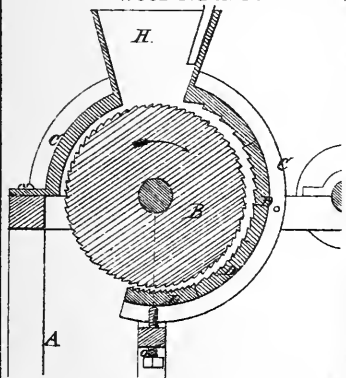
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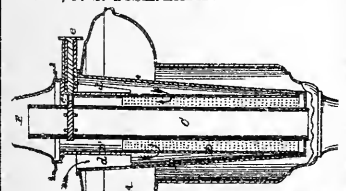
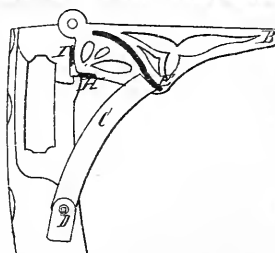
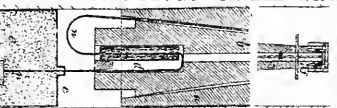
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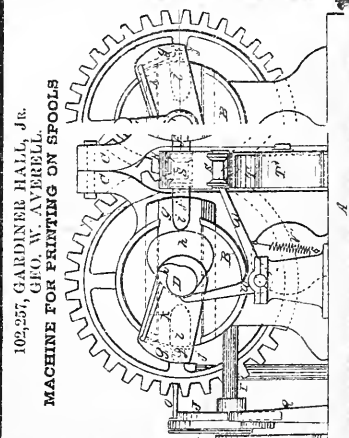
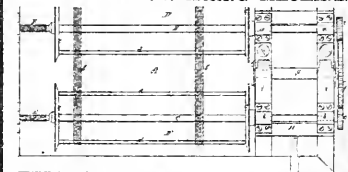
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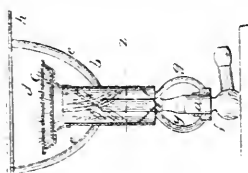
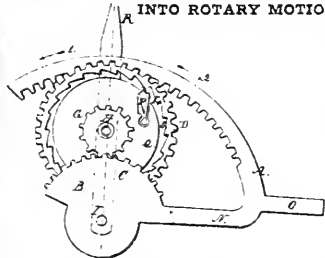
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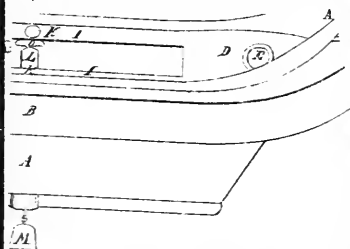
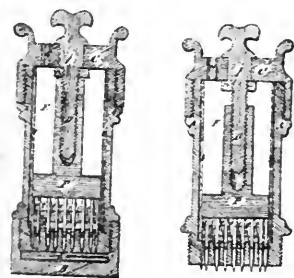
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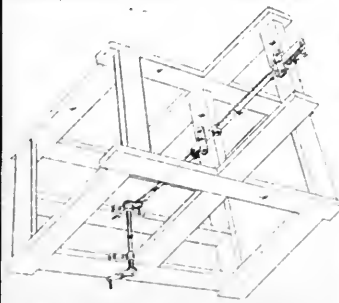
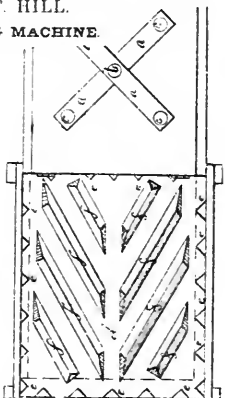
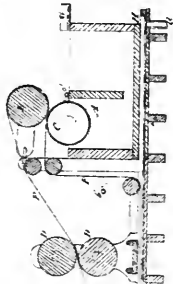
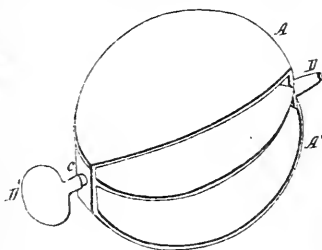
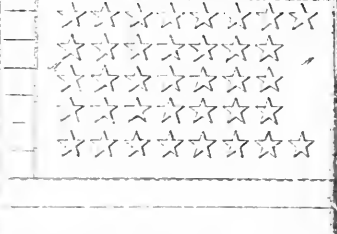
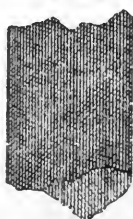
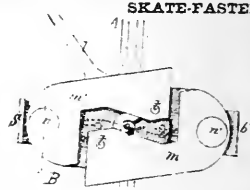
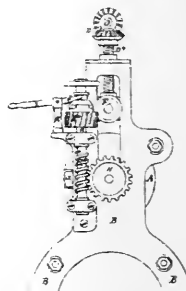
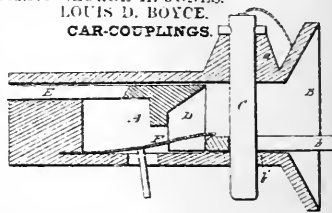
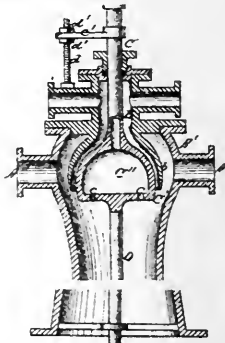
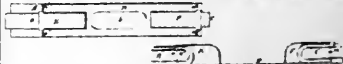
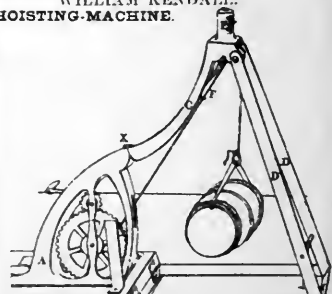
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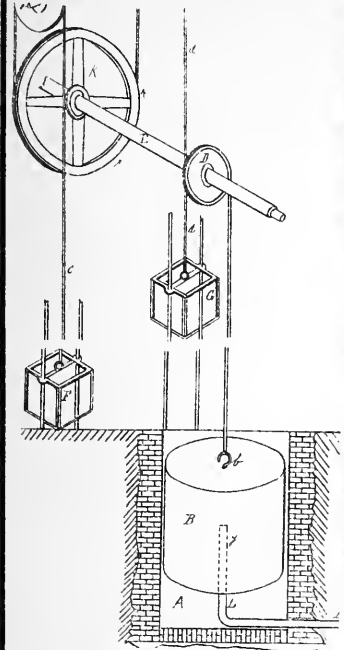
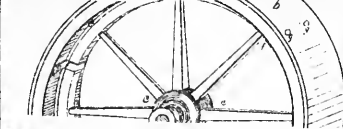
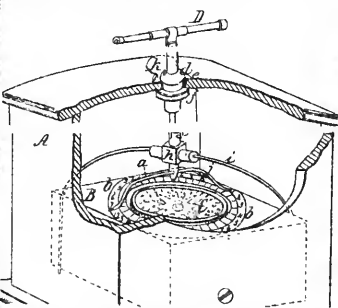
102,258. LAVIN & BUSH HAMILTON.  
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102,261. PHILIP HEINRICH. LIFE-BOATS.

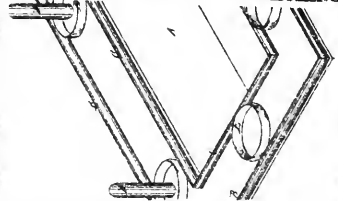
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102,263. ENOCH HIGHLEY. SAW-MILLS.

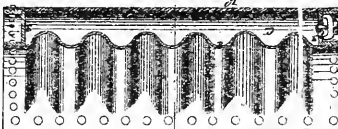
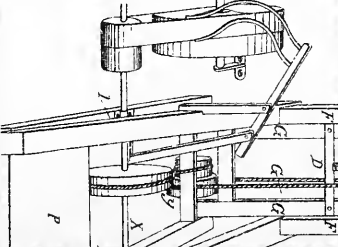
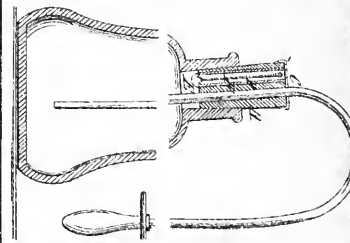
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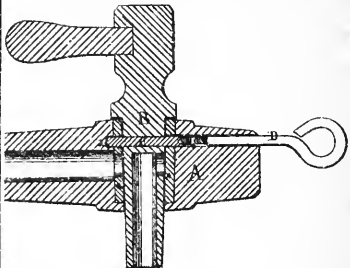
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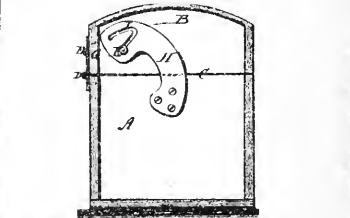
102,286. C. V. LITTLEPAGE. SAW.

102,287. J. C. LUDWIG.  
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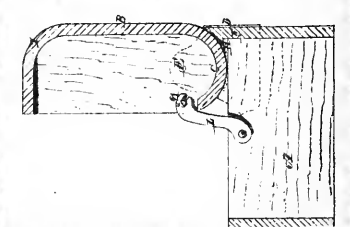
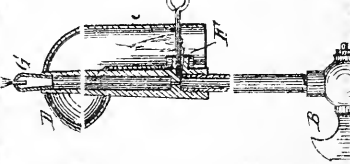
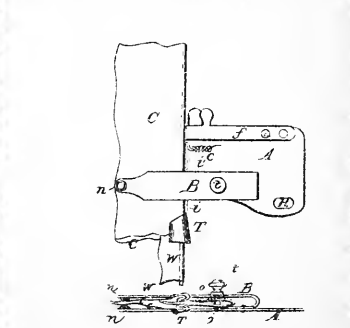
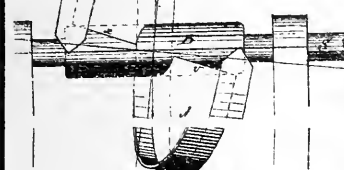
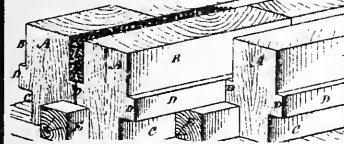
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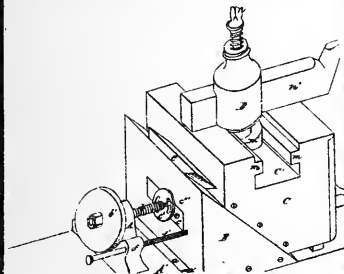
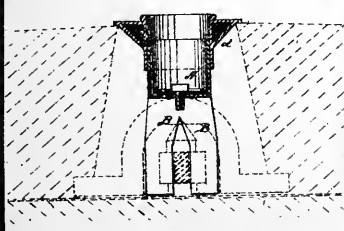
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102,292. W. S. MAYO. TRUNK.

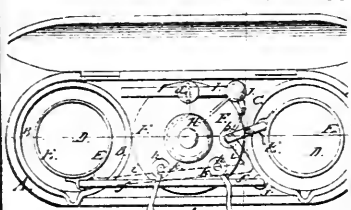
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102,278. C. KNOX. TOOL REST.

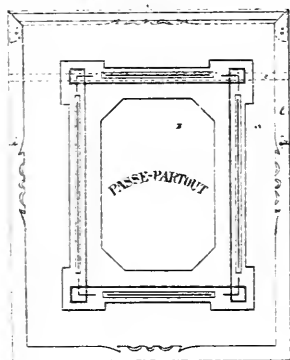
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FEED REGULATOR.



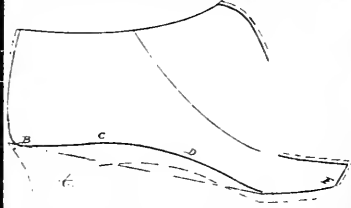
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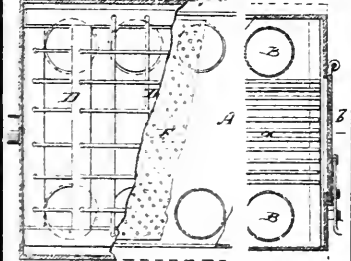
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FRAME FOR PASSE-PARTOUTS.



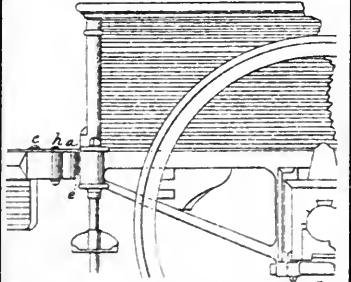
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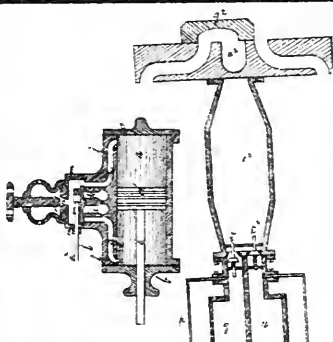
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FRUIT-DRIERS.



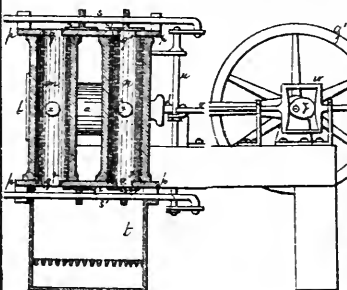
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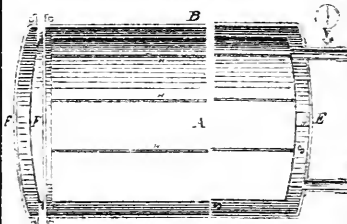
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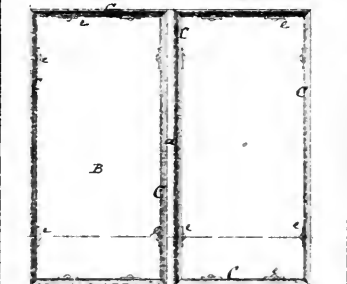
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JOS. H. LANING.  
PNEUMATIC VACUUM-ENGINE.



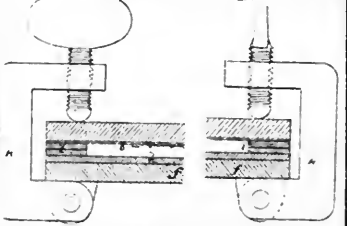
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FOR COOKING MEAT BY STEAM.



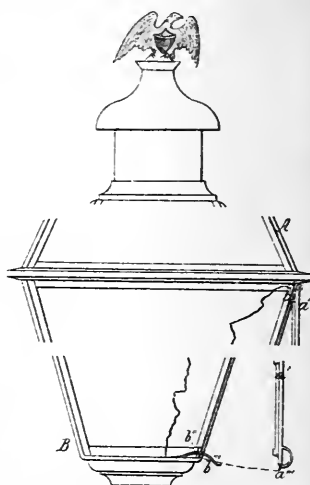
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WINDOW-SASH.



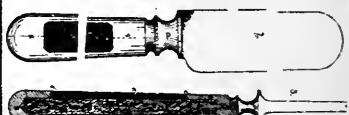
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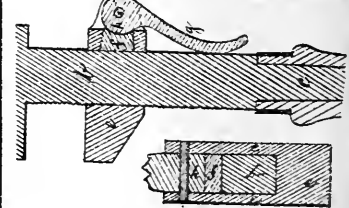
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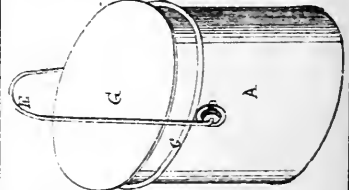
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WILLIAM BOWER.



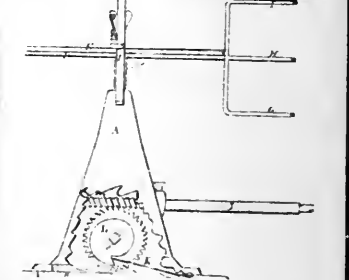
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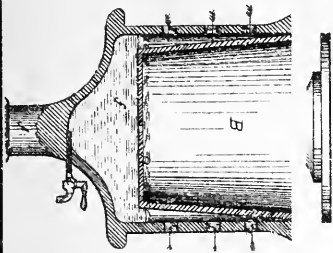
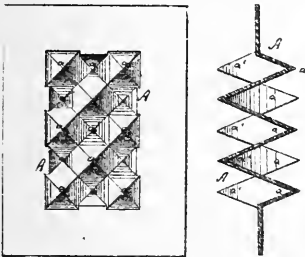
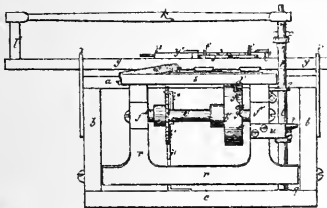
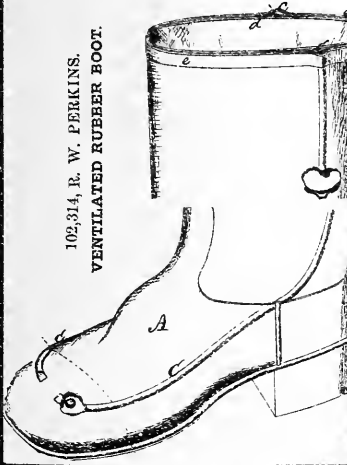
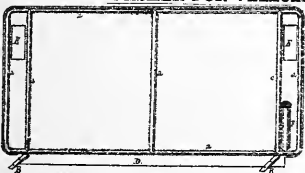
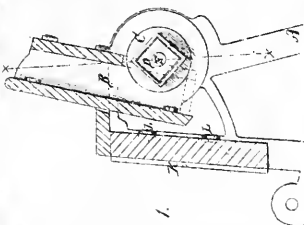


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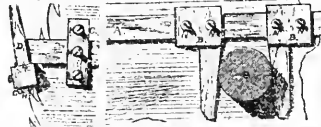
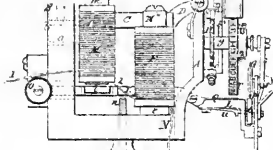
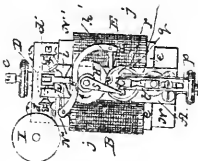
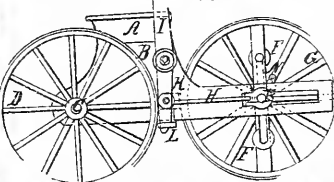
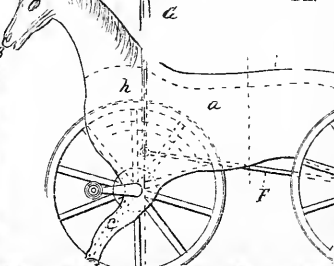
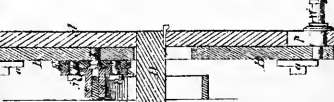
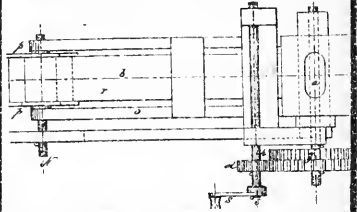
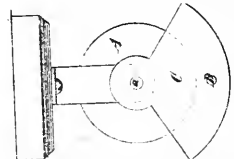


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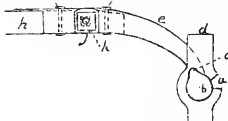
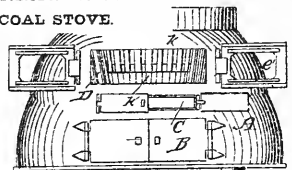
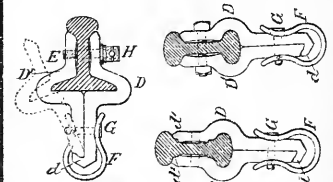
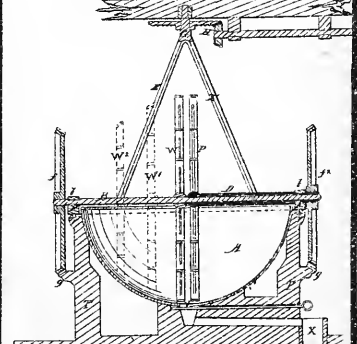


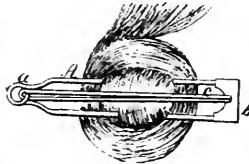
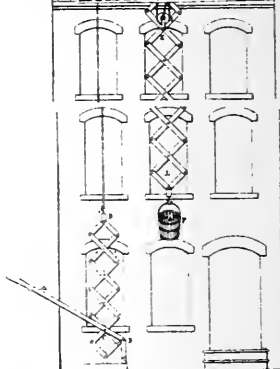
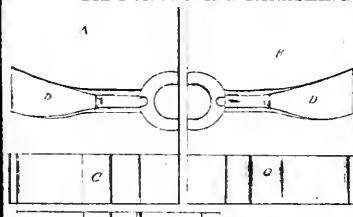
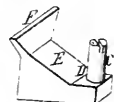
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102,318, LEVI W. POND. SAW-SWAGE.

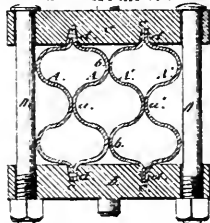
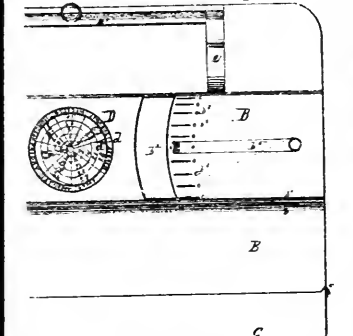
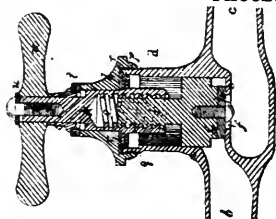
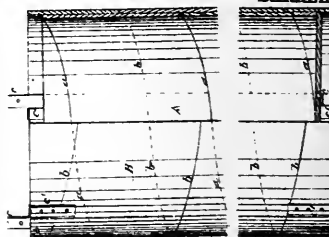
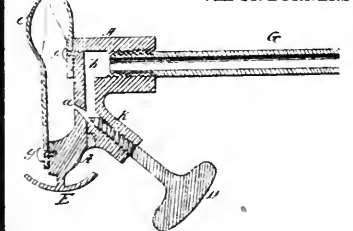
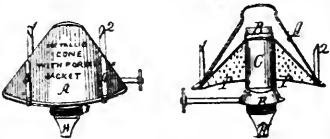
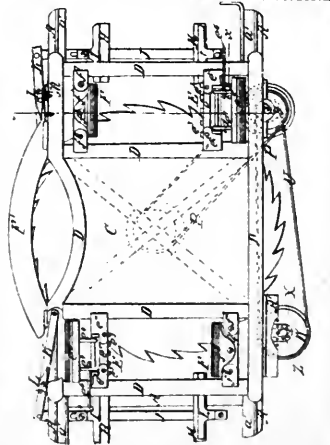
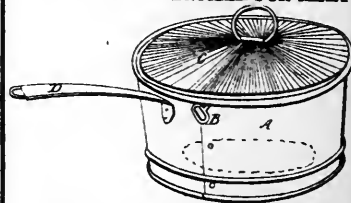
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102,327, HUGH SMITH. SLEIGHS.

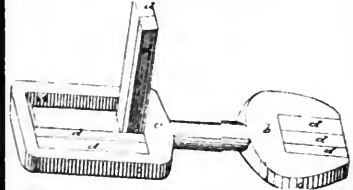
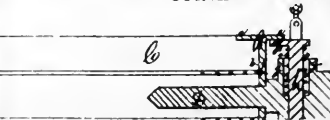
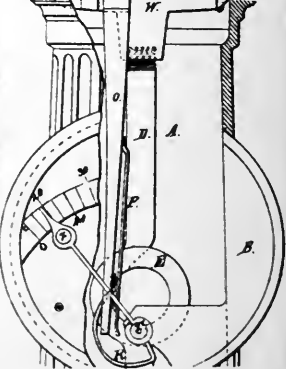
102,328, J. SPEAR.  
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102,340, JAMES WAYLAND. SPRINGS.

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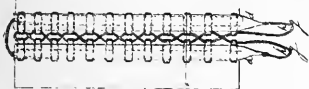
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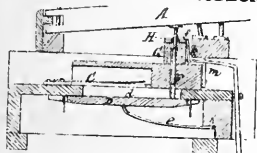
102,352. R. WRIGHT.

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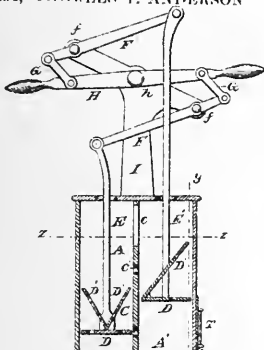


102,353. A. ZAWADSKI.

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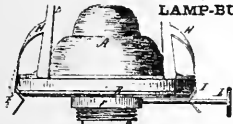


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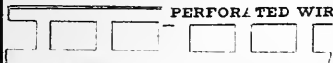
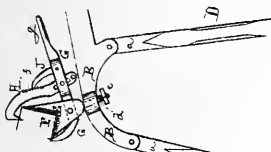
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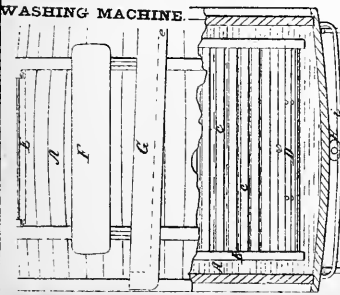
102,356. S. BEATTY.

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102,357. SAMUEL BECKER. CAR-MOVER.  
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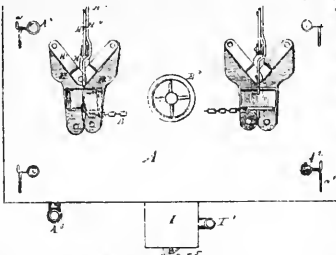
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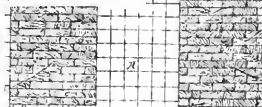
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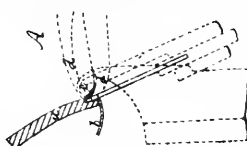
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102,362. L. R. BLAKE.

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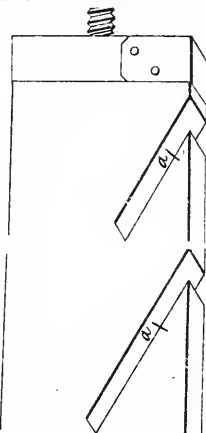


102,363. V. W. BLANCHARD

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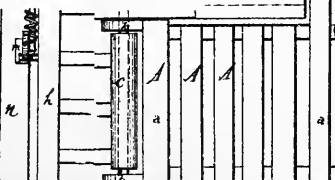


102,364. A. P. BROWN. WINDMILL.



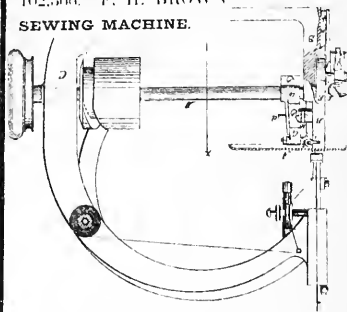
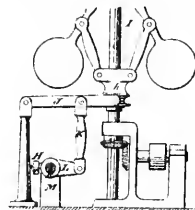
102,365. D. BROWN,

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102,366. F. H. BROWN

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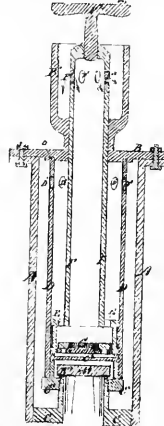
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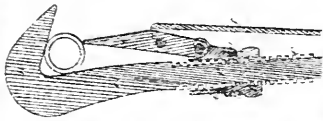
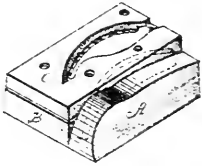
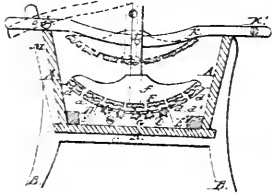
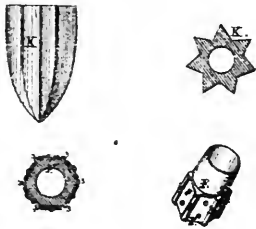
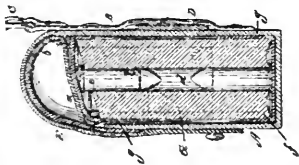
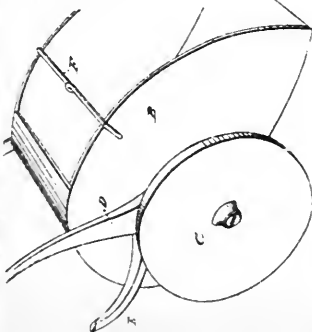
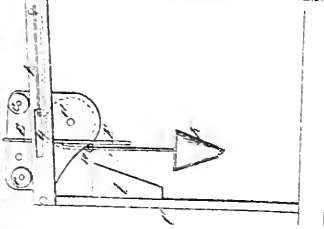
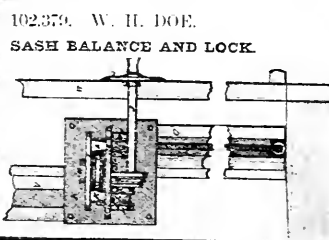
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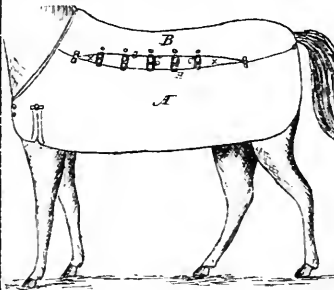
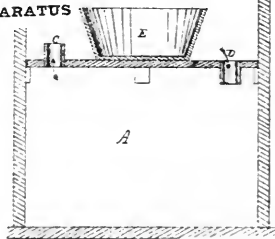
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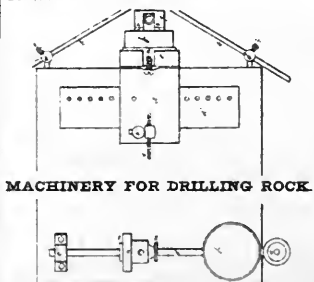


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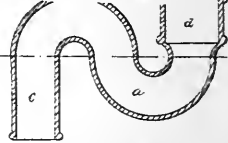
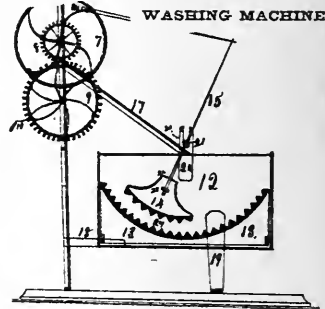
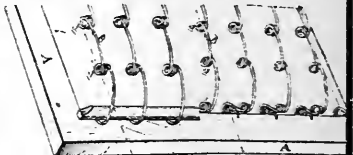
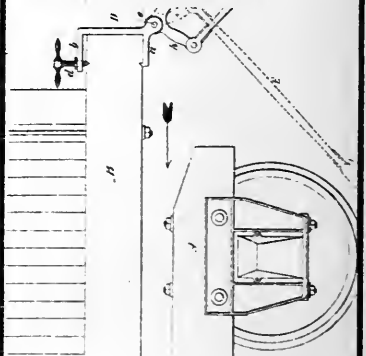
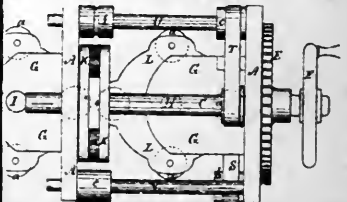
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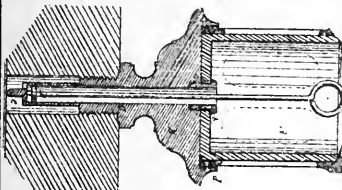
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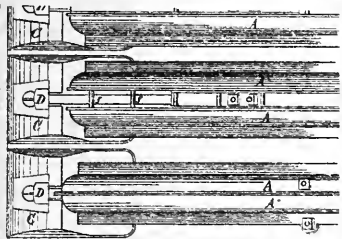
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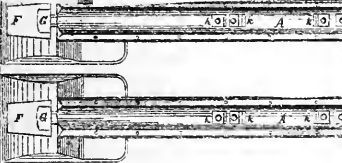
102,391, GREGORY GERDOM, LUBRICATOR



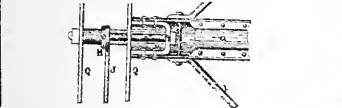
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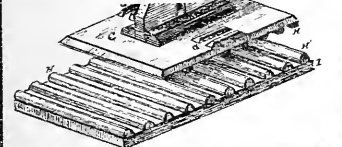
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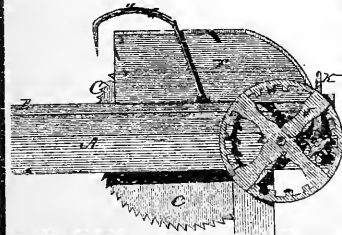
102,394. TRUSS GIRDER BRIDGE.  
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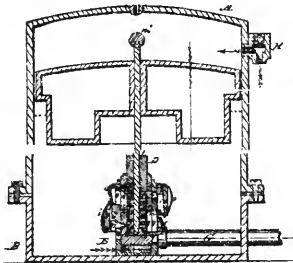
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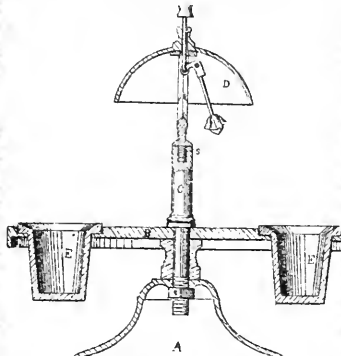
102,396. M. HART MACHINE FOR  
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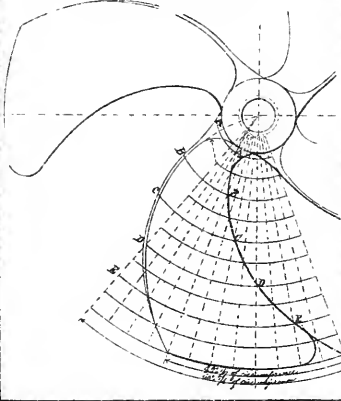
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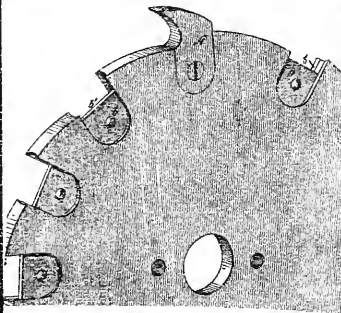
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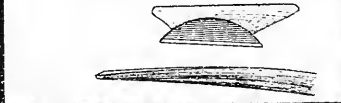
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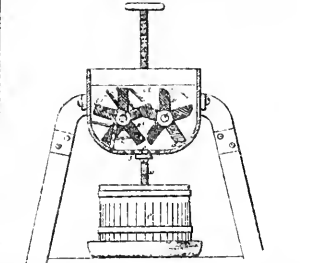
102,400, PATRICK J. HOGAN.  
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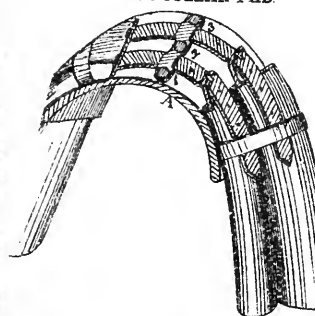
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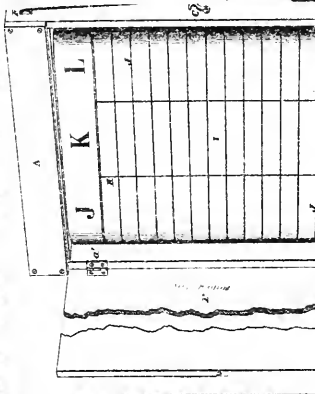
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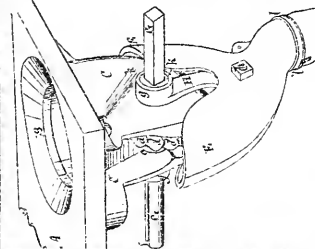
102,403, JAMES S. HUSTON.  
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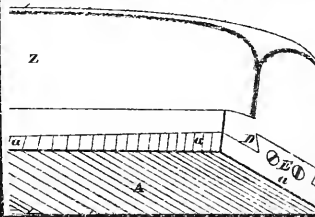
102,404. W. C. HUSTON  
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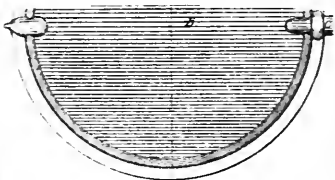
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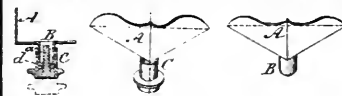
102,406, JULIUS KATZ, PLANE-STOCK.



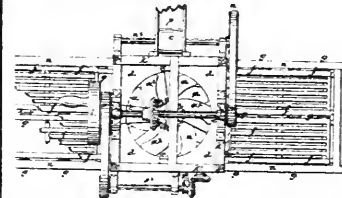
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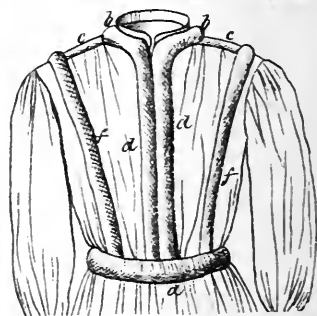
102,413, O. R. LUTHER.  
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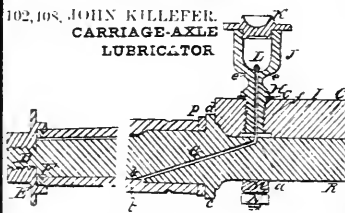
102,414, JAMES B. LYONS.  
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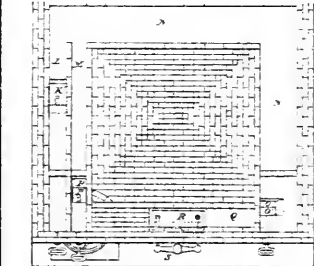
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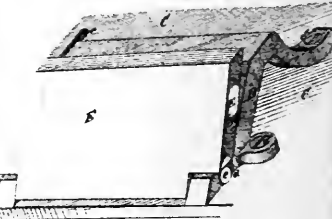
102,408, JOHN KILLEFER.  
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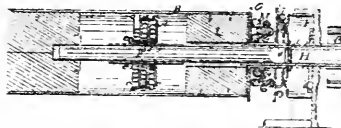
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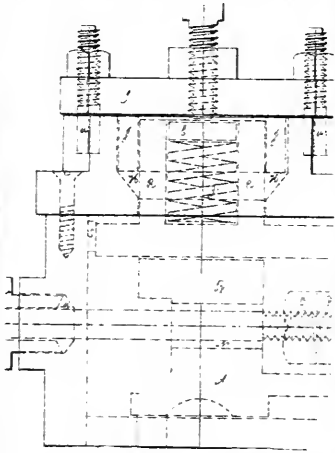
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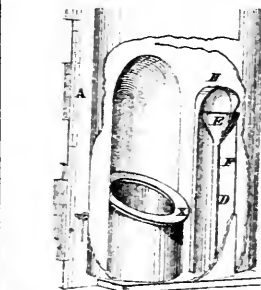
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102,410, JAMES LARKIN SLIDE-VALVES



102,416, S. MALES.  
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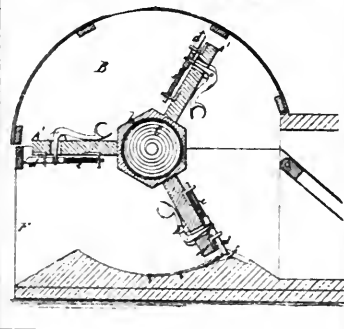
102,421, WILLIAM RHODA NICHOLS.  
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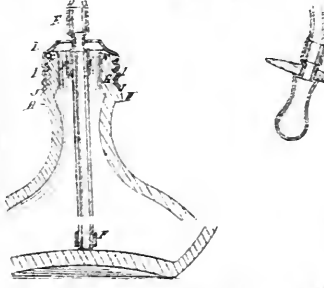
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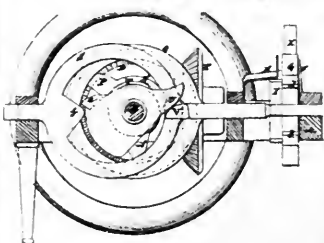
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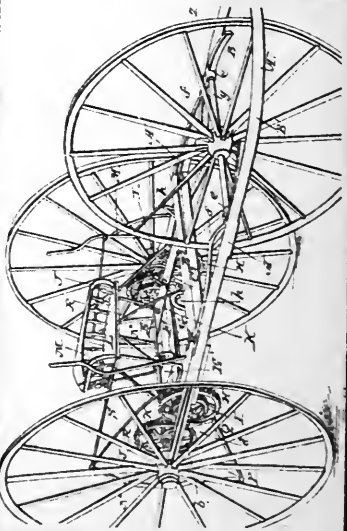
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102,418, JOHN MORGAN, JR.  
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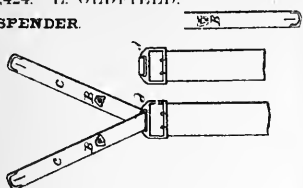
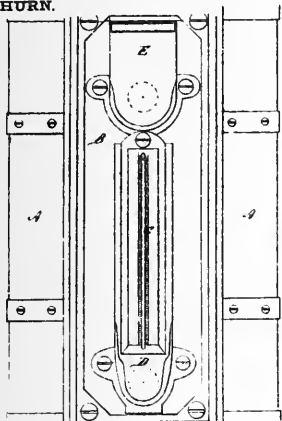
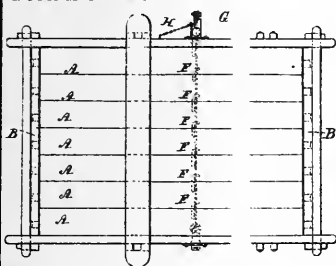
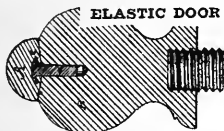
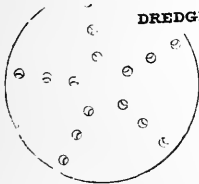
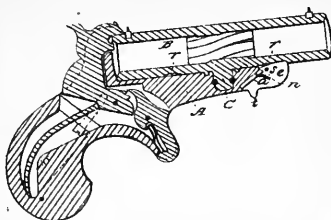
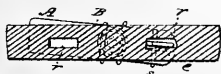
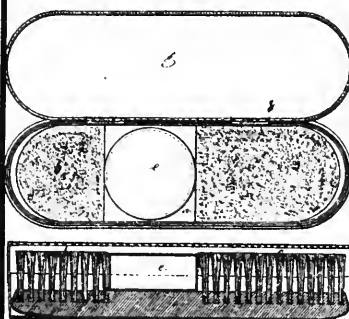
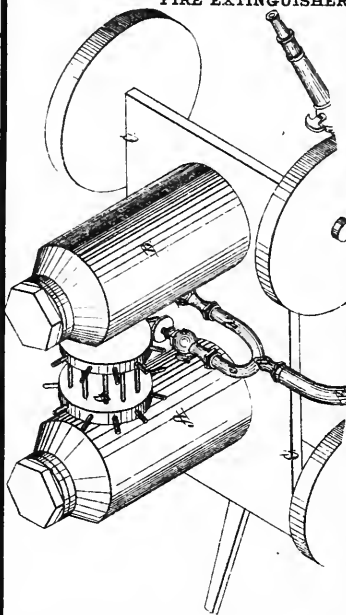


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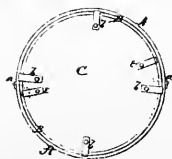
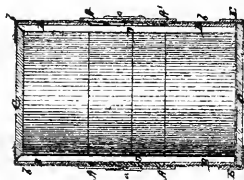
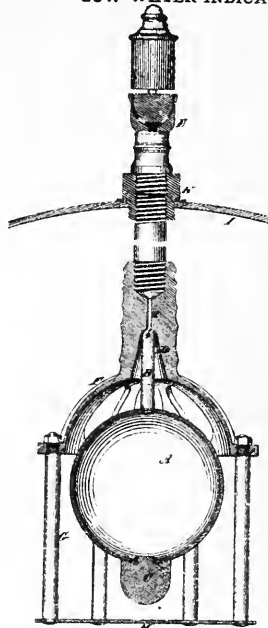
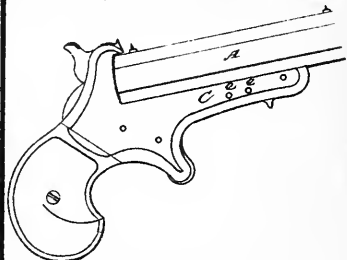
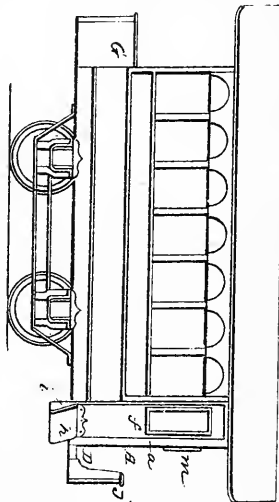


102,412, R. A. LEON.  
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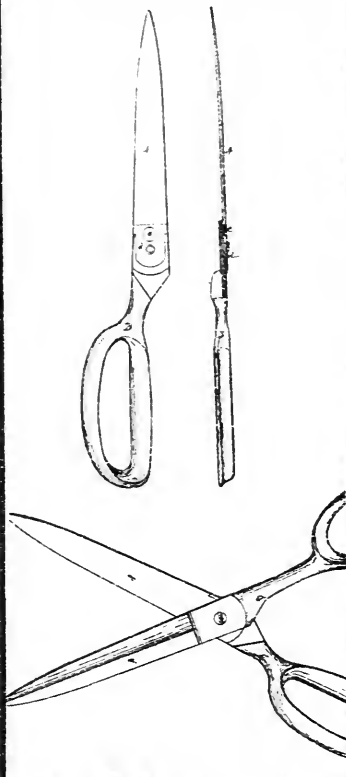


102,424. E. OLDFIELD.  
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102,432. H. G. PORTER. BARREL.

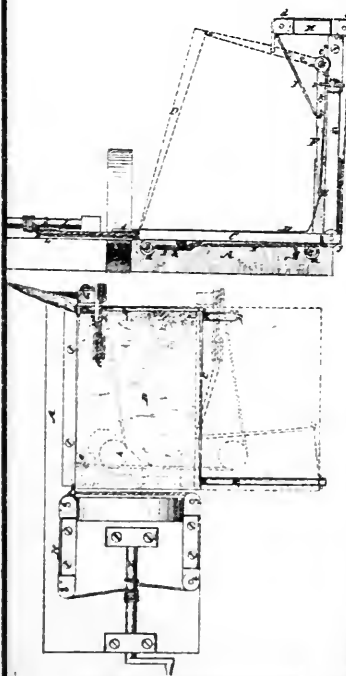
102,433. P. W. REINSHAGEN.  
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102.437. J. RYALS.  
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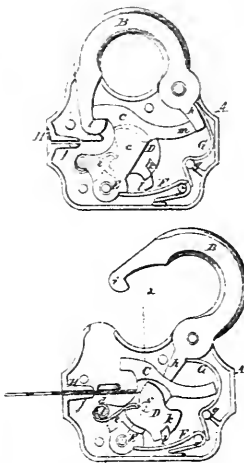


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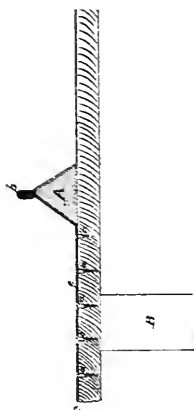
102.439. J. B. SAWYER.  
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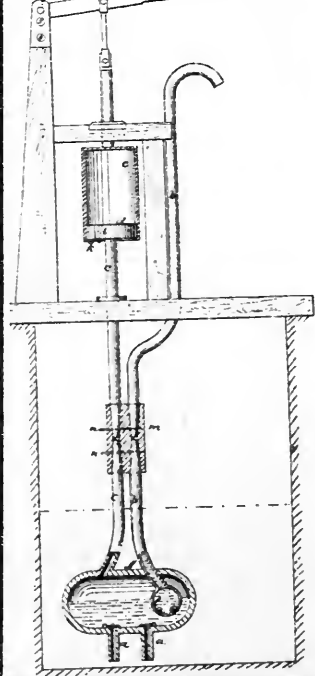
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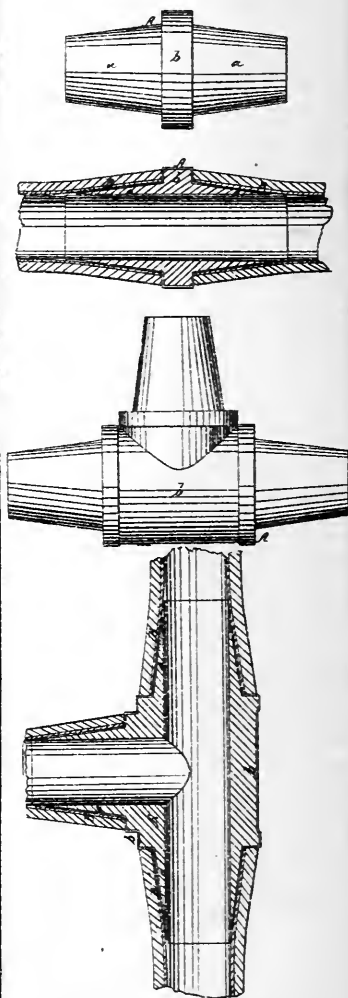
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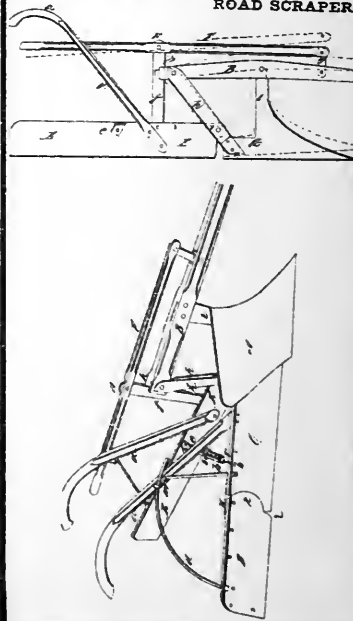
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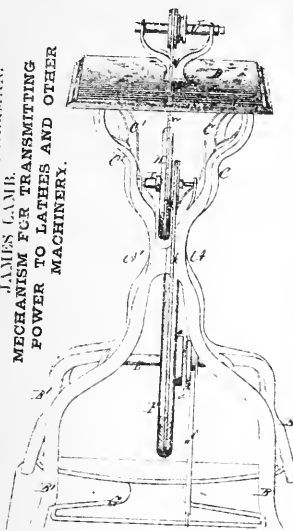
102.443. I. SMITH.  
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102.444. P. M. STEPHENS.  
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102,445, JAS. F. STEWART.  
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102,451, GEO. D. VOLKMAR.

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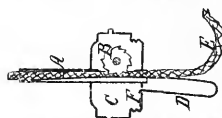
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JOSEPH D. WILCOX.

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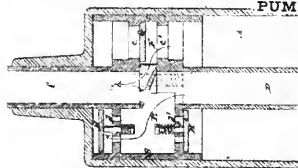
102,457, J. D. WILLOUGHBY.

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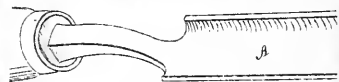


102,458, JAMES EDWARD WILSON.

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102,459, JAS. F. WOOD. GOUGE.

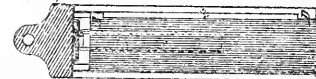


102,460, OSCAR D. WOODBURY.

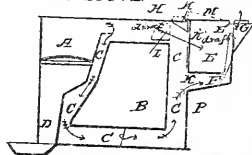
BRUSHES



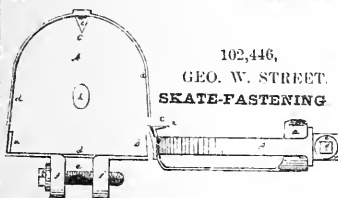
102,461, D. D. FOLEY. TAG-LABELS.



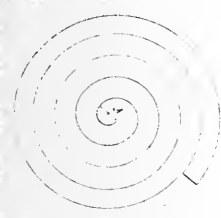
102,462, R. M. HERMANC.  
COOKING STOVE.



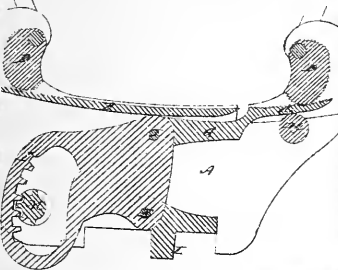
102,446, GEO. W. STREET.  
SKATE-FASTENING



102,447,  
JOHN G. STREET.  
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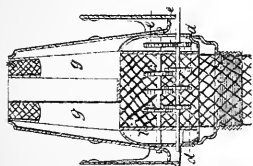


102,448, THOMAS SULLIVAN.  
TIRE-UPSETTING MACHINE



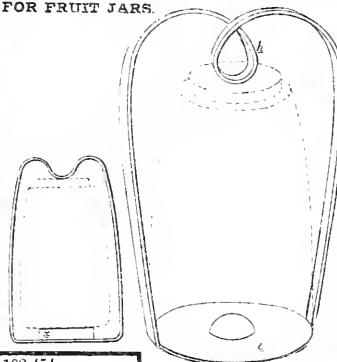
102,449, ALVIN TAPLIN.

LAMP-BURNERS

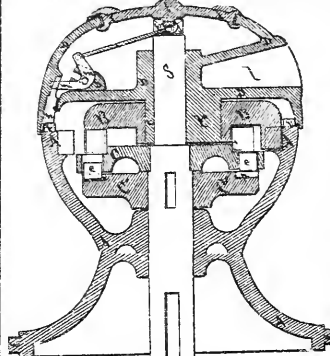


102,450, WILLIAM A. TORREY.  
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TARPAULINS, AND OTHER  
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102,453, W. P. WALTER. HOLDER  
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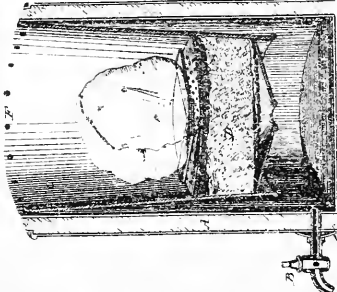


102,454, ADDISON GOODYEAR WATERHOUSE.  
ROTARY MECHANICAL MOVEMENT

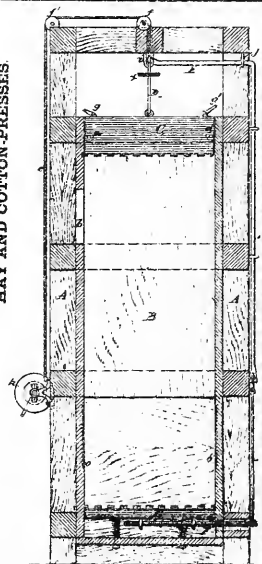


102,455, JAMES E. WHITE.

COMBINED FILTER AND COOLER

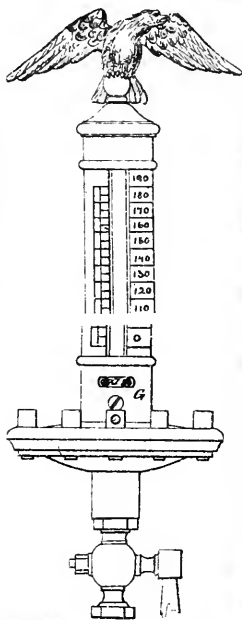


102,463, HENRY R. WALTON.  
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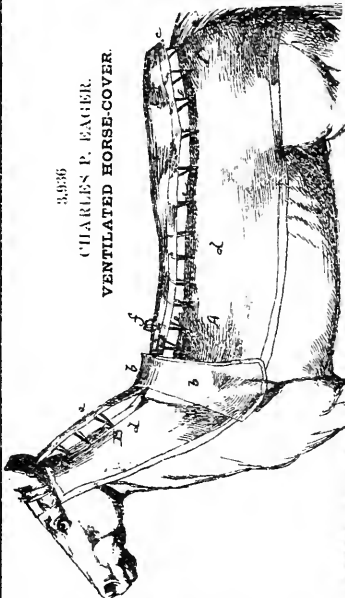
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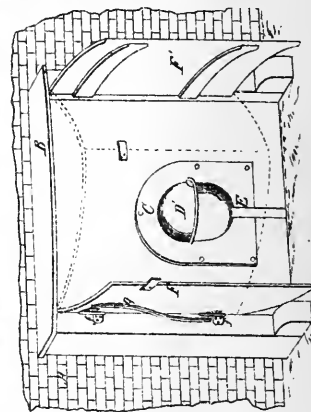
3,955. JAMES C. WADE.  
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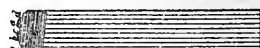
3,936  
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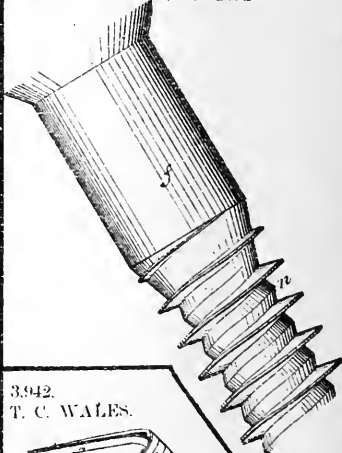
3,939. SAMUEL WALES.  
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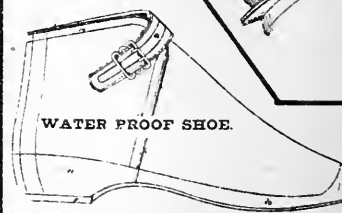
3,940. EZRA CLARK,  
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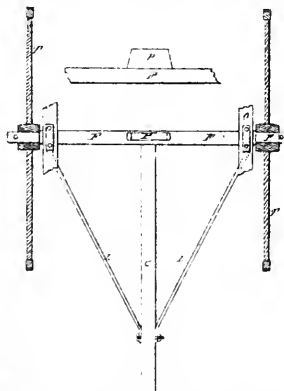
3,941. EZRA CLARK, SCREWS



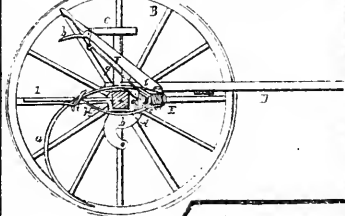
3,942.  
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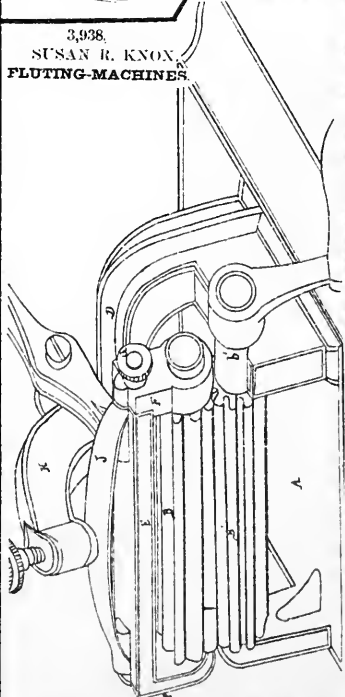
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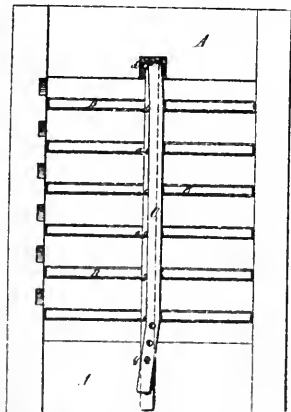
3,937. WILLIAM EMMONS.  
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3,938.  
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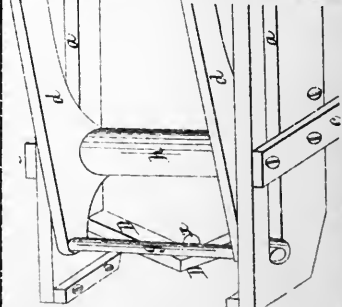
3,933. STEPHEN HEBRON.  
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3,934 C. HOELLER. STOVE-PIPE ELBOWS.



3,943. E. B. WALKER.  
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3,944. WILLIAM WILLIAMS.  
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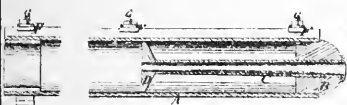
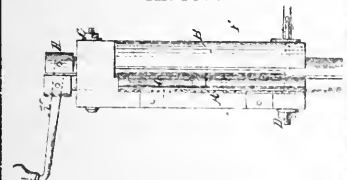
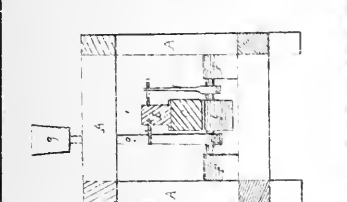
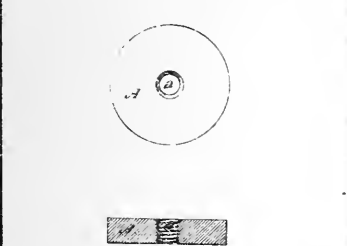
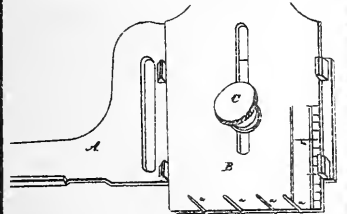
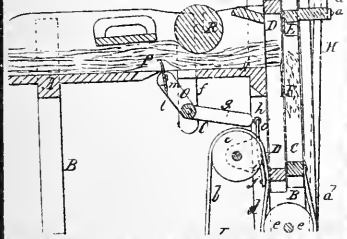


## ILLUSTRATIONS OF PATENTS

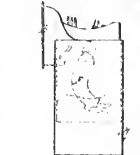
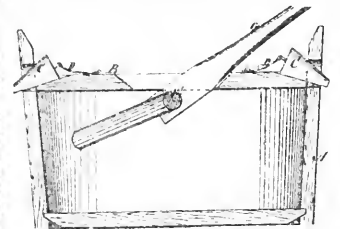
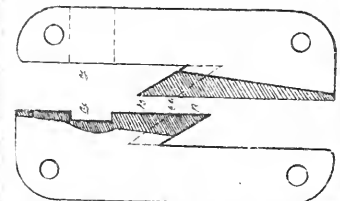
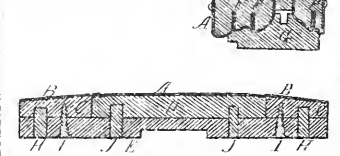
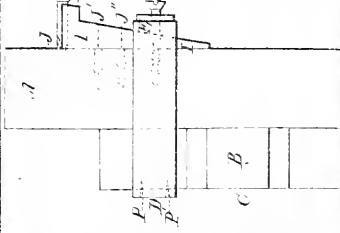
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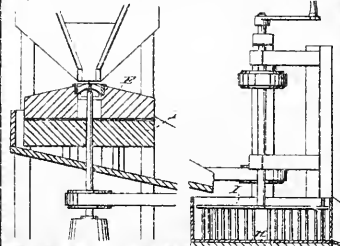
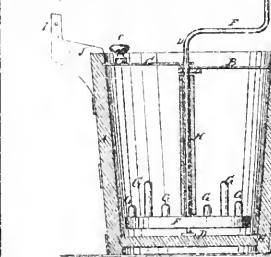
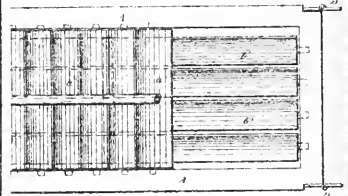
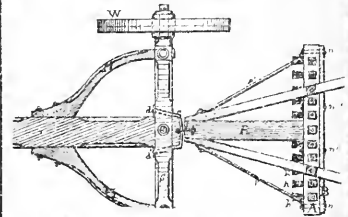
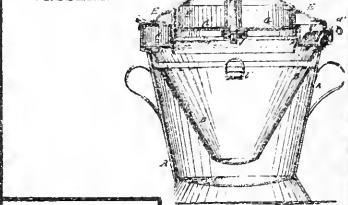
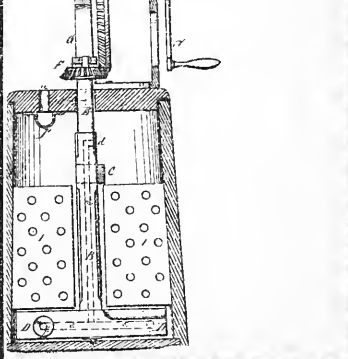
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102,465, J. N. ADAMS.  
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STRAW-CUTTERS.WILLIAM AVERY,  
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102,471.

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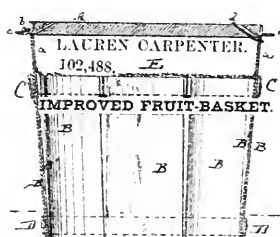
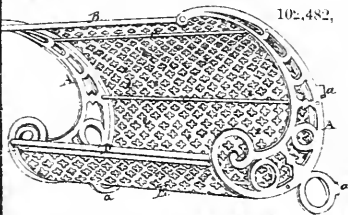
102,172, WILLIAM RADGER  
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102,476, THOS. RATES, ORE-SEPARATORS

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102,477, IMPROVED  
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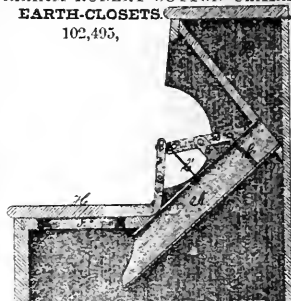
ALBERT BRIDGES.  
IMPROVED RACK FOR CARS.

102,482.

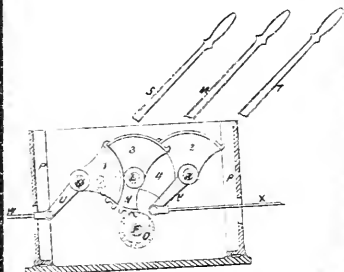


WILLIAM ROBERT COTTON CLARK.  
EARTH-CLOSETS.

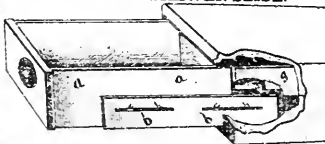
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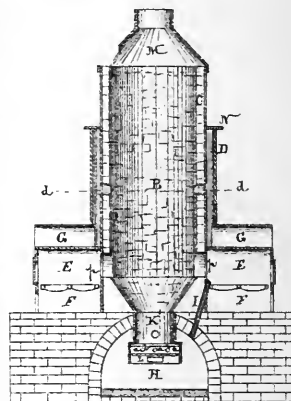
102,483, JOHN BRUNTON.  
WORKING AND LOCKING  
RAILWAY-SWITCHES AND SIGNALS



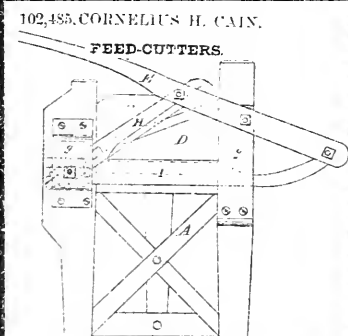
102,480, JOHN L. CHAPMAN.  
IMPROVED DRAWER-SLIDE.



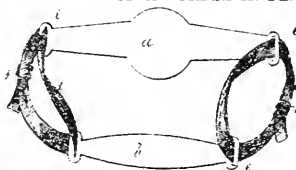
102,496, J. CLARKSON AND  
G. W. DECKER. LIMBKILN.



102,484, WILLIAM M. BRYANT.  
PREPARING THE PITH OF  
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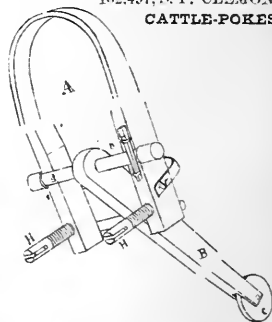
102,490, AMOS S. CHESEBROUGH.  
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102,491, PHILO W. CLARK.  
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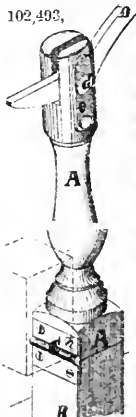


102,497, S. P. CLEMONS.  
CATTLE-POKES.

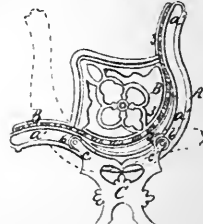


WILLIAM CLARK.  
LIFTING-JACKS.

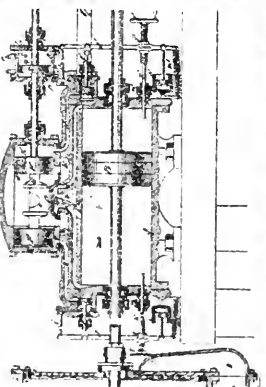
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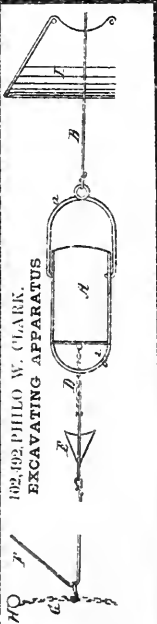
THOS. J. CLOSE. REVERSIBLE SEATS  
102,498, FOR RAILWAY-CARS.



102,486, A. S. CAMERON.  
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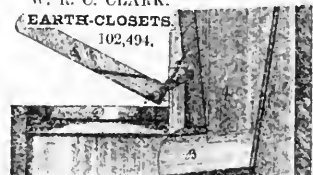


102,492, PHILO W. CLARK.  
EXCAVATING APPARATUS

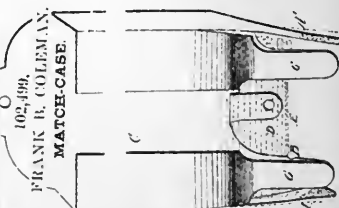


W. R. C. CLARK.  
EARTH-CLOSETS.

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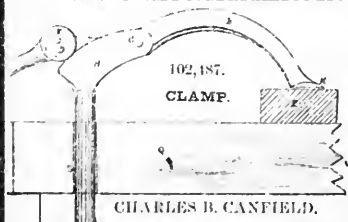


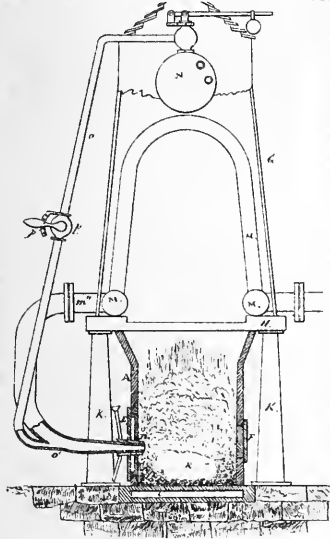
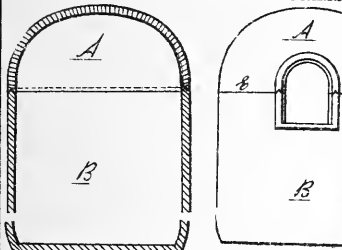
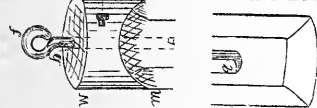
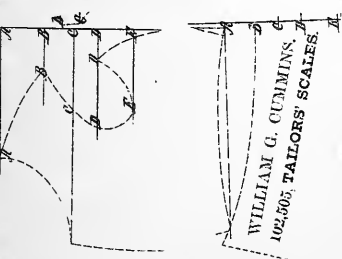
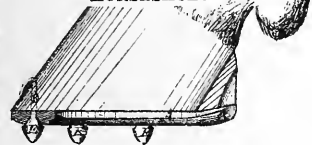
FRANK B. COLEMAN.  
MATCH-CASE.



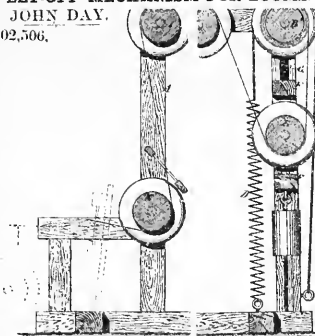
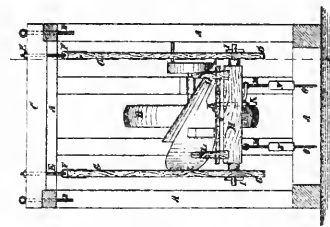
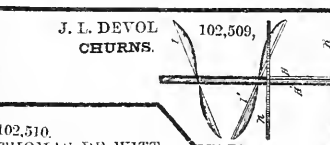
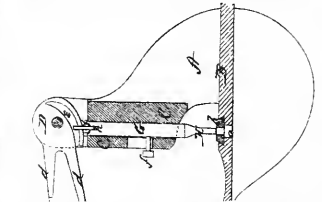
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CLAMP.

CHARLES B. CANFIELD.

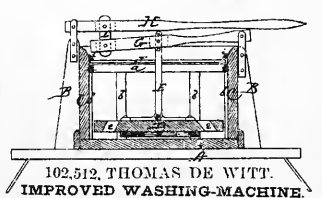
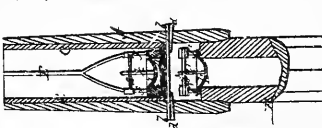
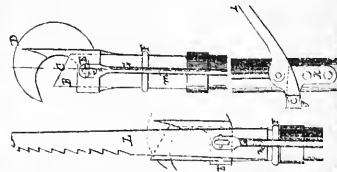
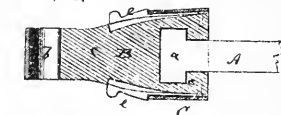


102,500, JOHN COLEMAN.  
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MANUFACTURE OF MALLEABLE IRON.ROY COMBS.  
HENRY J. LEASURE.  
102,502, POTS FOR SMELTING GLASS.102,503. M. COOKE. APPARATUS FOR  
BLASTING LOGS.102,504, GEORGE COPELAND.  
HORSESHOESWILLIAM G. CUMMINS.  
102,505, TAILORS' SCALES.LET-OFF MECHANISM FOR LOOMS.  
JOHN DAY.

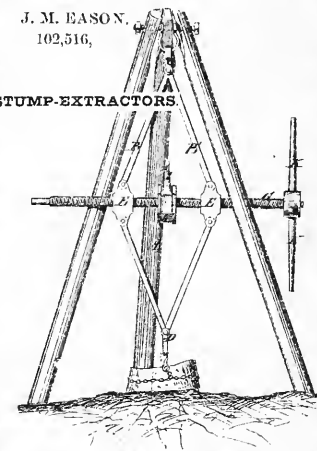
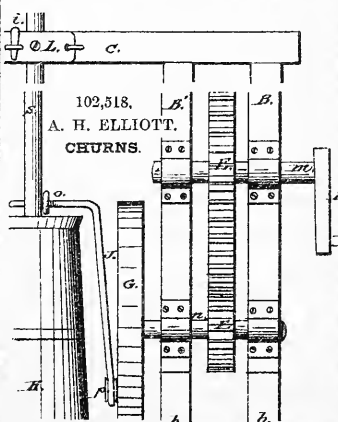
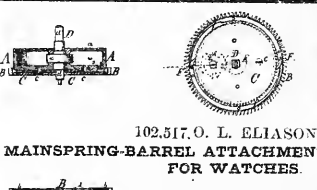
102,506,

102,507, EPHRAIM K. DEAN.  
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PLOW-GRINDER AND POLISHER.J. L. DEVOL  
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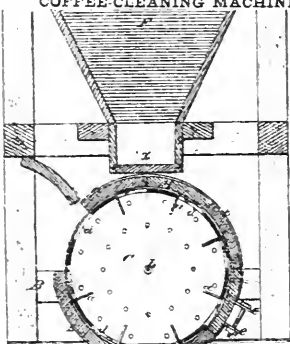
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102,512, THOMAS DE WITT.  
IMPROVED WASHING-MACHINE.102,513, ANDREW DOWNER.  
PRUNING-HOOKSWM. F. DRAPER.  
JOSEPH B. BANCROFT.  
102,514, IMPROVED SPINDLE-STEP CAP.CHARLES G. DUDLEY.  
JACOB GULDEN.  
SHAFT OR POLE-COUPLING  
FOR CARRIAGES.J. M. EASON.  
102,516,

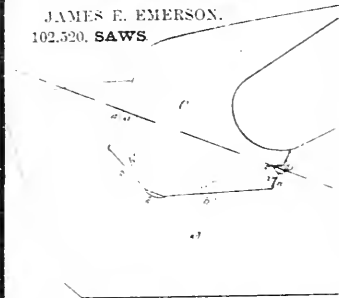
STUMP-EXTRACTORS

102,517, O. L. ELIASON  
MAINSRING-BARREL ATTACHMENT  
FOR WATCHES.102,518,  
A. H. ELLIOTT.  
CHURNS.

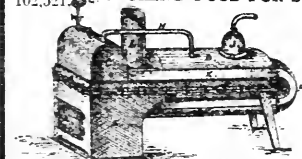
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COFFEE-CLEANING MACHINES



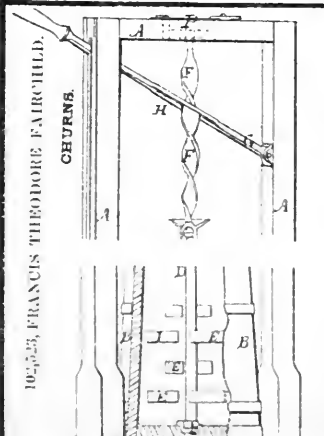
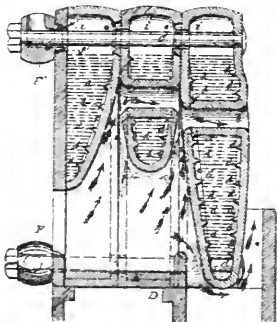
JAMES F. EMERSON.  
102,520. SAWS



WM. J. ESTES. STEAM-BOILER FOR  
102,521. COOKING FOOD FOR STOCK

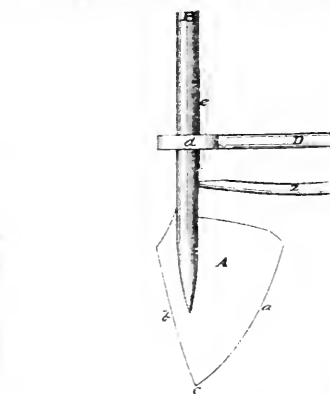


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SECTIONAL STEAM-GENERATOR

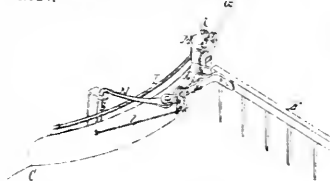


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CHURNS

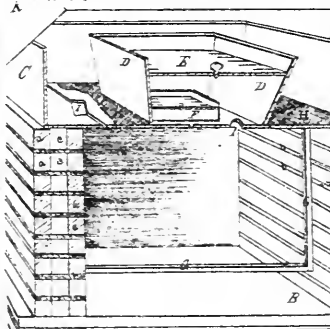
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JOHN FASIG.  
COMBINED HAY AND PRUNING-KNIFE



VANDERLYN HOWARD FELT.  
102,527. HARVESTER-RAKES



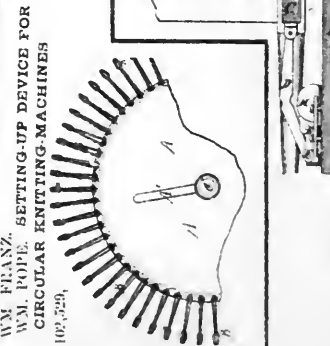
102,526 CHARLES FINN. BEE-HIVES



102,527, JAMES H. FLYNT.  
DUST-RING FOR WATCH-FRAMES

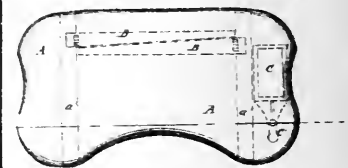


102,528,  
ASA FORREST.  
IMPROVED TABLE-LEAF  
SUPPORT.

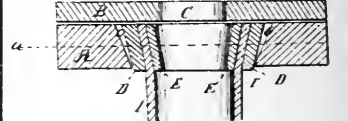


WM. FRANZ.  
SETTING-UP DEVICE FOR  
CIRCULAR KNITTING-MACHINES  
102,529.

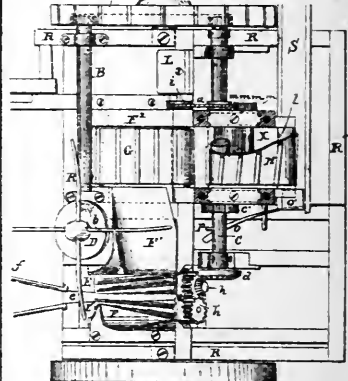
102,530, WILLIAM F. GAMMEL.  
IMPROVED LAP-BOARD.



102,531, FRANKLIN GARDNER.  
FASTENING TUBES IN GRAIN-DRILLS.



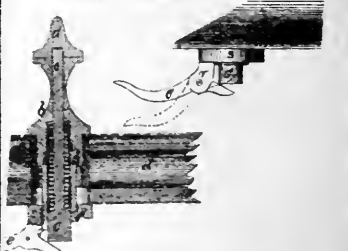
102,532, M. A. GETZENDANER.  
CORN HARVESTER



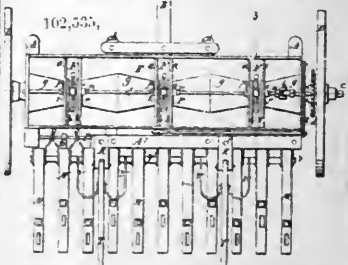
COOKING-STOVES 102,533.



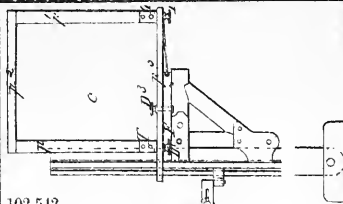
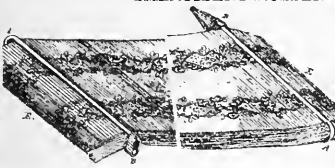
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WORK-HOLDERS



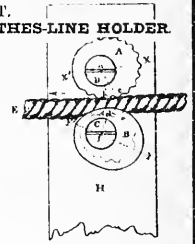
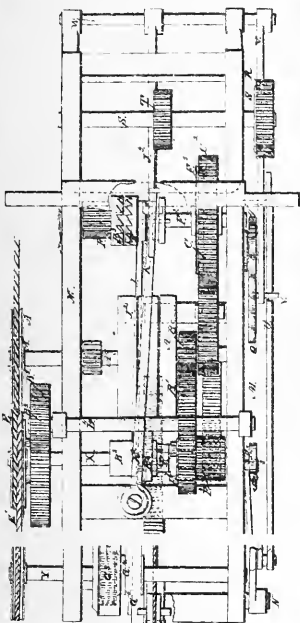
M. L. GORHAM. SEEDING-MACHINES



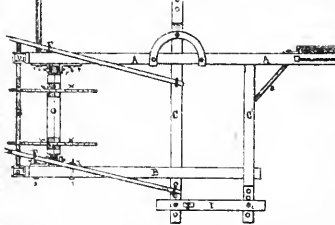
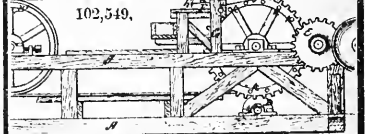
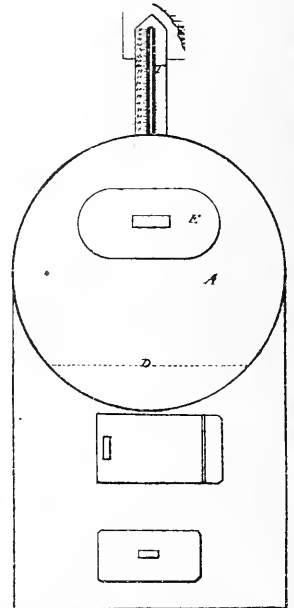


102,536, H. GUNDAKER. IMPROVED  
EMBROIDERY-HOLDER.

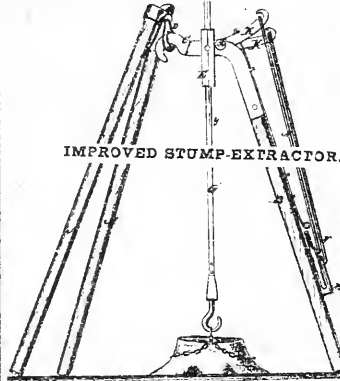
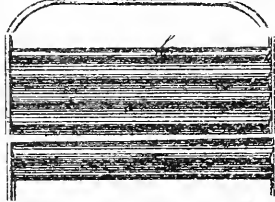
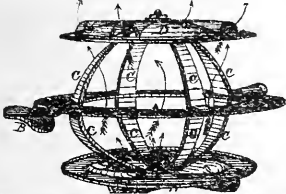
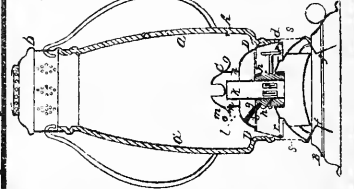
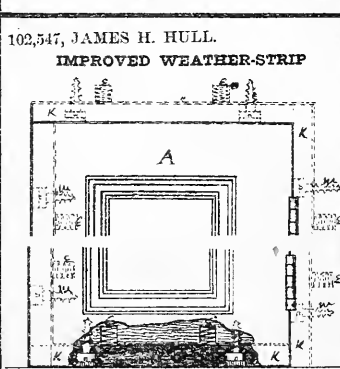
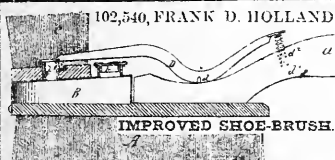
102,542,

EDWARD R. HOLZER  
IMPROVED SCAFFOLD.ABEL L. HURTT.  
IMPROVED CLOTHES-LINE HOLDER.  
102,548,102,537, WILLIAM N. HACKLEY.  
SELF-ACTING MULE FOR SPINNING.DR. LOUIS HOMERHOUSE.  
102,543.

CULTIVATOR-FLOWS.

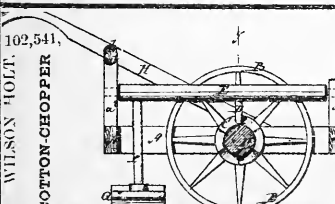
C. A. JACKSON. TOBACCO-ROLLER  
102,549,JABEZ JENKINS. IMPROVED PROCESS  
102,550, FOR TEMPERING STEEL.102,538, D. FRANK HALE.  
REVERSIBLE BUTT-HINGES.GEORGE L. HOWLAND. 102,544.  
WILLIAM M. HOWLAND.

IMPROVED STUMP-EXTRACTOR.

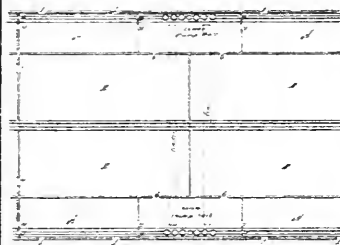
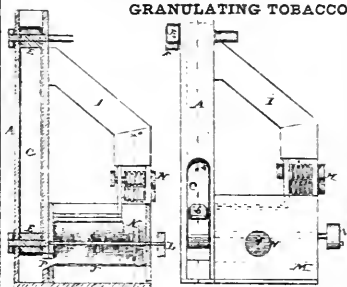
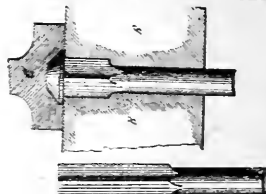
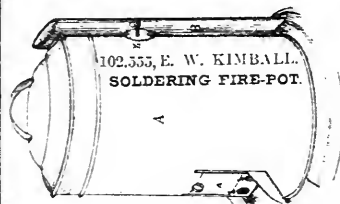
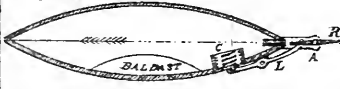
102,545. S. HUBBELL, JR.  
WASH BOARD.102,539, R. M. HERMANC.  
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102,551,102,546, CHAS. WAGER HULL.  
MANUFACTURE OF SOAP102,547, JAMES H. HULL.  
IMPROVED WEATHER-STRIP

IMPROVED SHOE-BRUSH.

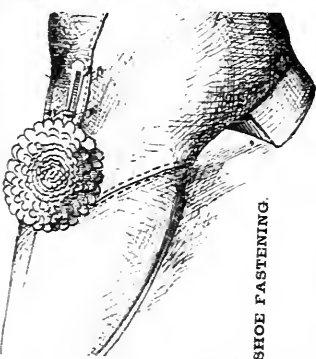
102,540, FRANK D. HOLLAND

102,541.  
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102,554. WILLIAM JONES. DRY-DOCKS.

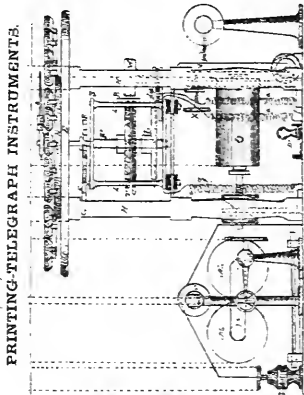
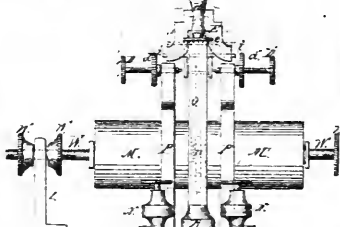
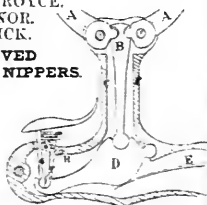
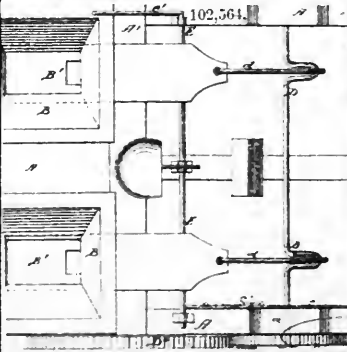
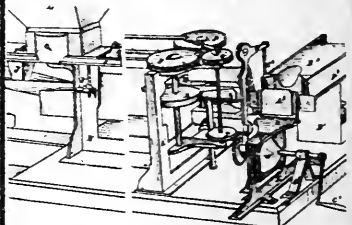
102,560 CHRISTIAN H. LILIENTHAL  
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GRANULATING TOBACCO.102,565. PATRICK MAGUIRE.  
IMPROVED COMPOSITION  
FOR FINISHING WAX-LEATHER.102,566. ALEXANDER MAILER.  
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SOLDERING FIRE-POT.102,556. W. R. KING.  
SUBMARINE TORPEDOES.

102,557. A. E. KROGER



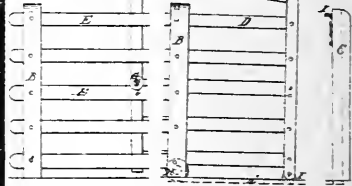
SHOE FASTENING.

102,561. L. T. LINDSEY.

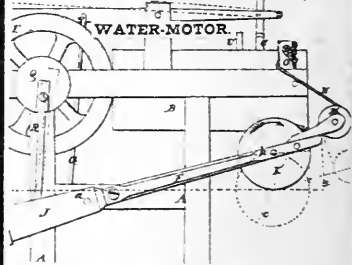
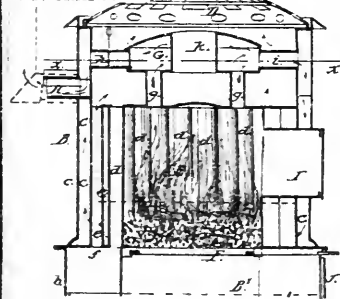
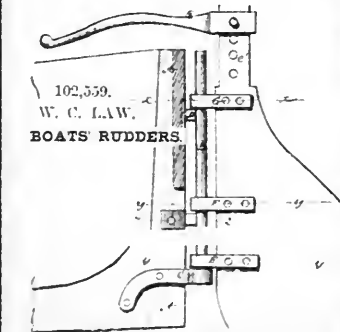
102,562. L. T. LINDSEY.  
ELECTRO-MAGNETIC  
MOTORS.GEORGE LUTZ.  
DANFORTH H. ROYCE.  
MICHAEL TREXOR.  
ROBT. CHADWICK.102,563. IMPROVED  
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CORN-PLANTER102,567. MORITZ MARCUS. IMPROVED  
STREET-MOISTENING COMPOUND.102,568. JOSEPH W. MAXWELL.  
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JOHN MAYBEN. FARM-GATES.

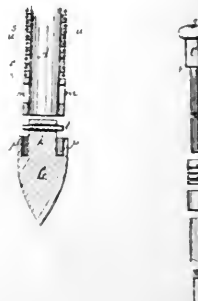
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102,570. JOHN MCGILL.  
IMPROVED COMPOUND FOR  
DRESSING TEXTILE FABRICS

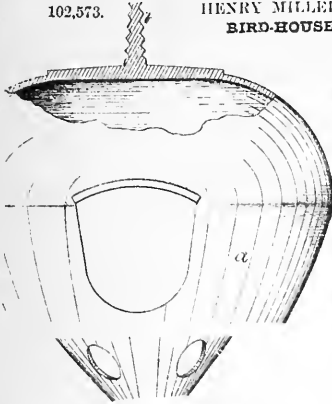
WILLIAM MCGINNISS. 102,571.

JOEL LAFORGE. 102,558. COAL-STOVE.  
J. T. CRANE.102,559.  
W. C. LAW.  
BOATS RUDDERS.

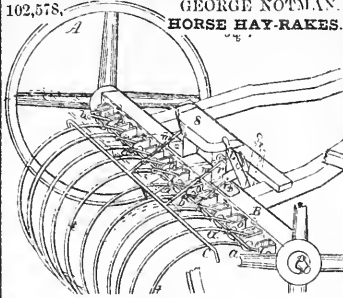
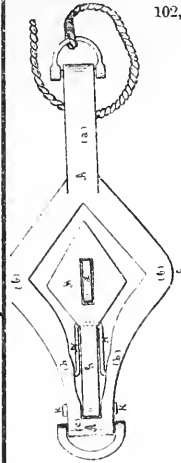
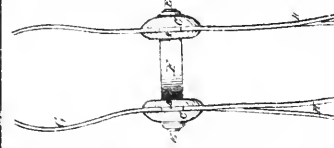
102,572. JAMES MCMILLAN. TUBE-WELLS.



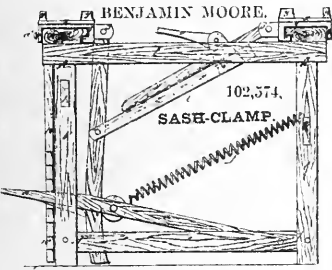
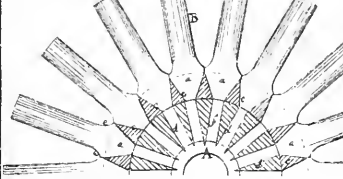
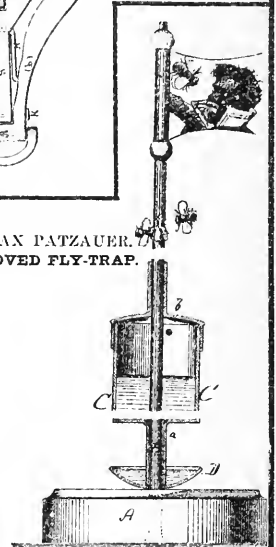
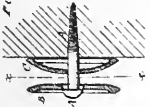
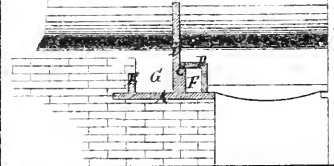
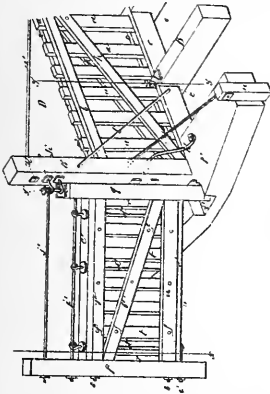
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HENRY MILLER.  
BIRD-HOUSE.

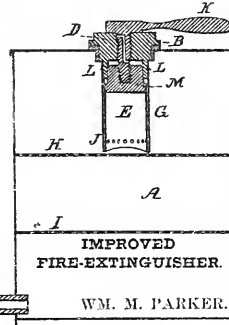
102,578.

GEORGE NOTMAN.  
HORSE HAY-RAKES.102,584, G. C. PATTISON.  
ANCHORS.102,579, JAMES O. BRIEN.  
ROSETTES FOR BRIDLES.

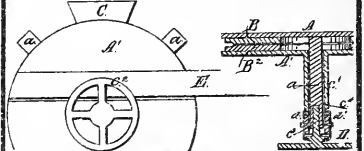
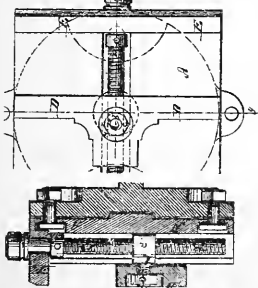
BENJAMIN MOORE.

102,574.  
SASH-CLAMP.JAMES O'CONNOR, CARRIAGE-HUBS.  
102,580102,585 MAX PATZAUER.  
IMPROVED FLY-TRAP.102,575, CHARLES C. MOORE  
IMPROVED CORD-CATCH.102,581, J. A. T. OVEREND.  
BOILER-FURNACES.102,586, RUFUS H. PEABODY.  
SEWING-MACHINE.102,576, ENOCH MUIRHEAD.  
IMPROVEMENT IN FENCE AND GATE.

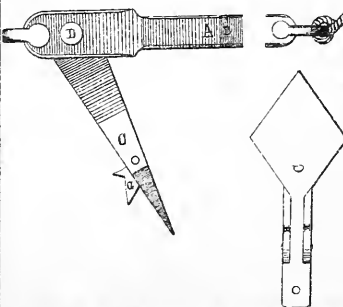
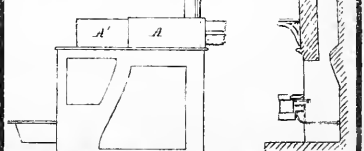
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WM. M. PARKER.

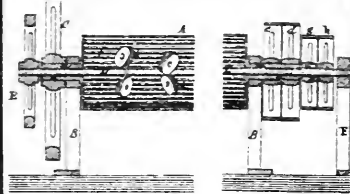
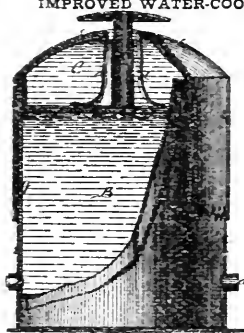
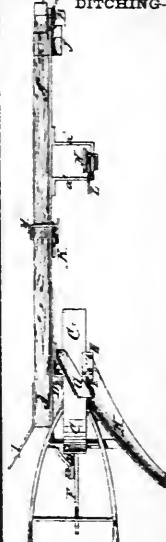
102,587. O. PEARL.  
BOBBIN FOR SPINNING. &c.102,588, WALTER PECK.  
IMPROVED GRINDING-MILL.102,577, AUGUSTUS NEWELL.  
WILLIAM P.M.  
IMPROVED PLANING-CHUCK.

102,583, G. C. PATTISON. ANCHORS.

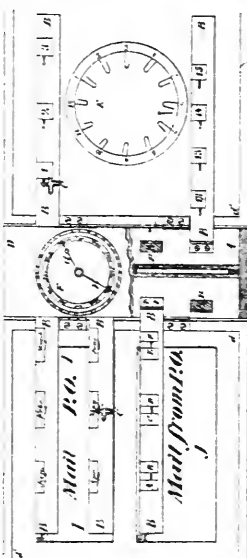
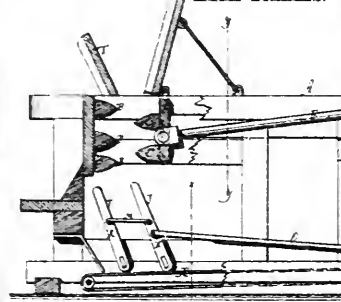
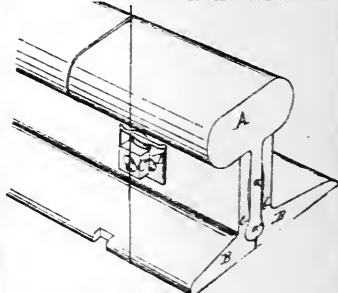
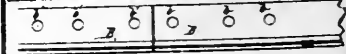
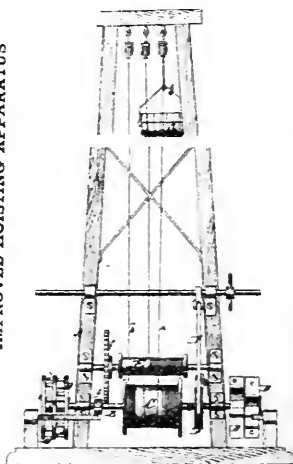
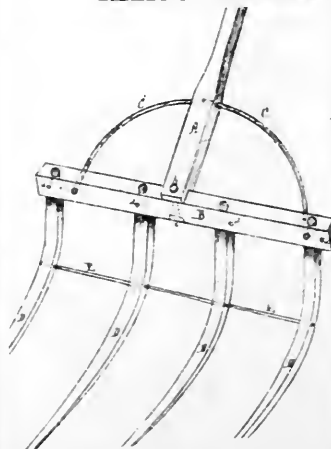
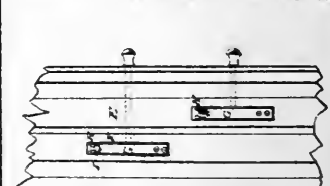
FRANK M. PICKERILL, IMPROVED  
102,589, AUTOMATIC WAGON-BRAKE.HEATING AND VENTILATING  
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FIRE-PLACES.  
EMILY S. POTTER.  
BETSEY R. POTTER.  
102,590,

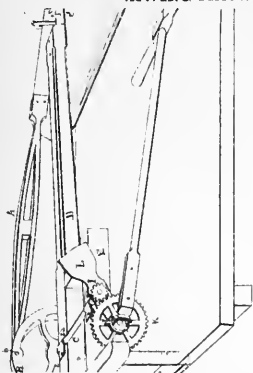
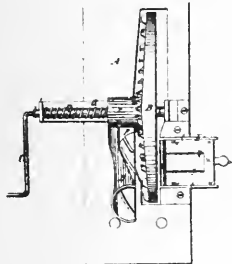
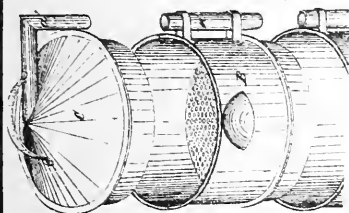
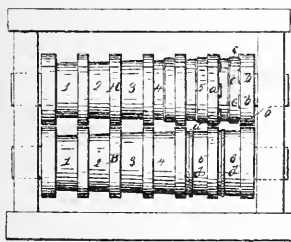
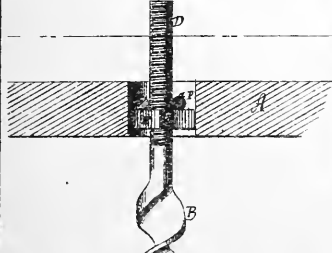
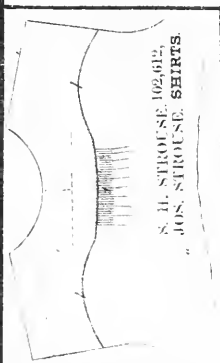
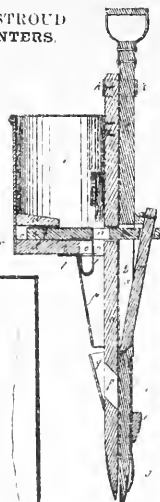
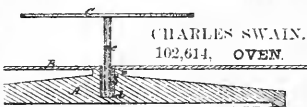
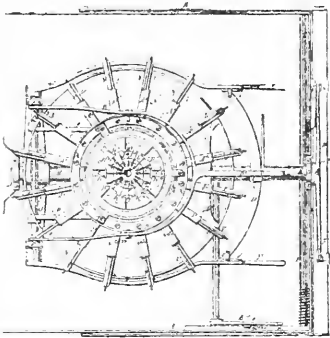
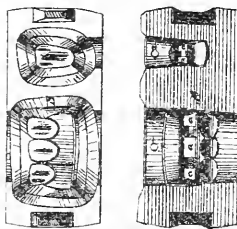
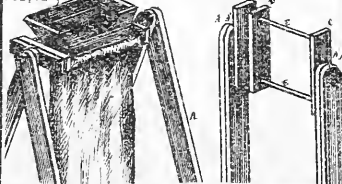
JNO. T. RANDALL. APPARATUS FOR

102,591. POLISHING COFFEE &amp;c.

102,595, JOHN BUTTER.  
IMPROVED WATER-COOLER.102,599, ISAAC S. SHEETS.  
DITCHING-PLOWS.

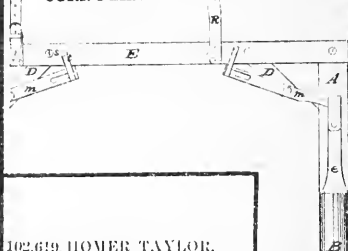
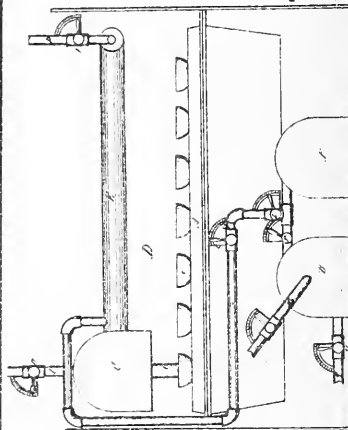
102,600, EDWIN R. SHEPARD. LOCK-NUT.

102,592, HENRY BENTZLER.  
OFFICE-REGISTER AND DIRECTORY.102,596, GEORGE RYSEL.  
HEMP-BRAKES.102,601, EDWIN R. SHEPARD.  
IMPROVED RAILWAY RAIL.102,602, EDWIN R. SHEPARD.  
IMPROVED COMPOUND RAILWAY-RAIL.102,603, SYLVANDER C. SHEPARD.  
IMPROVED BOB-SLED.102,594, CHARLES ROBINSON.  
BALL TOY GUN.102,597, HANS ASMUS SCHNECKLOTH.  
IMPROVED HOISTING APPARATUS.102,598, DENNIS P. SHARP.  
BARLEY OR GAVEL-FORKS.102,604, R. L. SIRRET, M. D.  
IMPROVED SASH-HOLDER.102,605, JACOB W. SLAUGHT  
JACOB W. ANDROVATT.  
CLAMP FOR SETTING RIGGING.

102,606, ADDISON SMITH.  
SAWING-MACHINES102,607, J. P. SMITH.  
COMBINED CORN-SHELLER  
AND VEGETABLE-SLICER102,608, JOHN CORBETT SMITH  
CULINARY VESSEL102,609, GEORGE A. SPRINGER.  
IMPROVED ROLL FOR MAKING RAILS  
FOR STREET RAILWAYS102,610, THOS. ST. JOHN.  
ROCK-BORING APPARATUS102,611, WILLIAM D. STROUD  
HAND CORN-PLANTERS.102,613, JACOB STURER'S  
W. H. BEIRENS. HAT-BLOCKING  
MACHINES.102,615, ELI SWEET.  
MOLD FOR ARTIFICIAL TEETHGEORGE D. SWEIGERT. BAG-HOLDERS.  
102,616, #

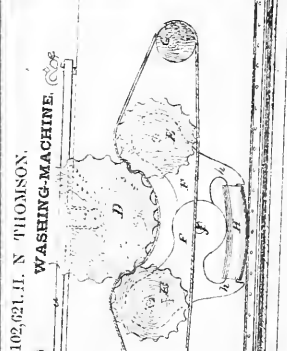
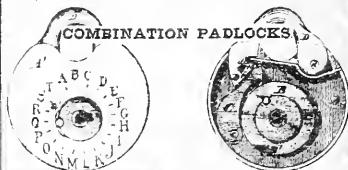
102,617, OWEN W. TAFT.

CARVING-KNIVES

102,618, LEVI B. TARBOX.  
CORN-PLANTERS102,619, HOMER TAYLOR.  
APPARATUS  
FOR THE COMBUSTION  
OF PETROLEUM AND OTHER  
HYDROCARBON LIQUIDS.

102,620, GEO. THOMPSON.

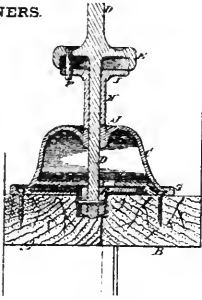
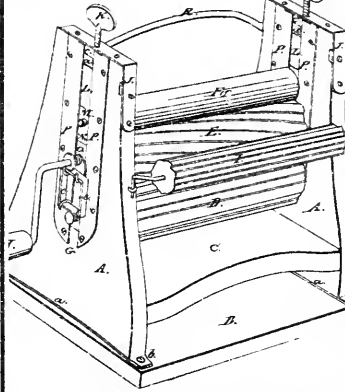
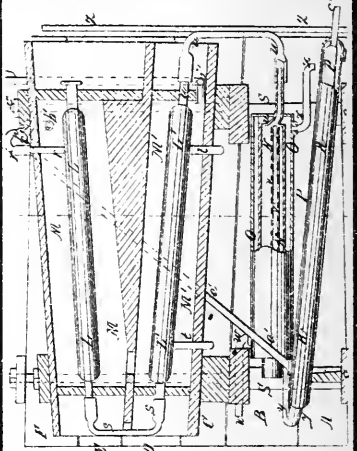
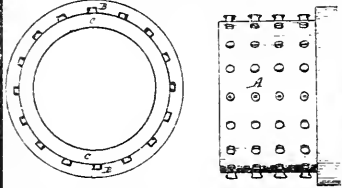
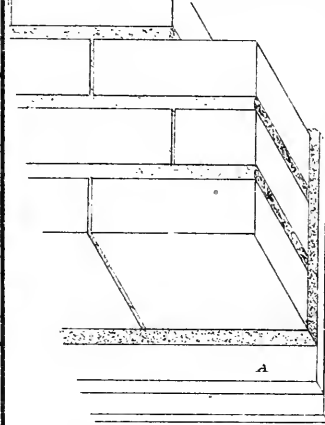
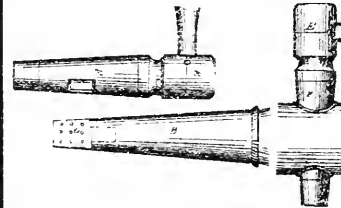
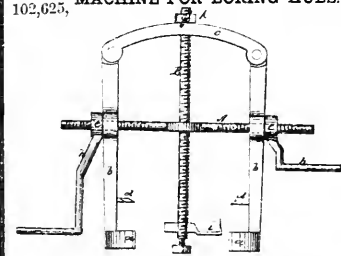
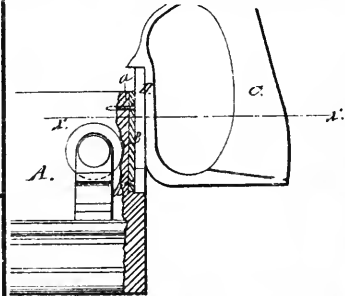
COMBINATION PADLOCKS



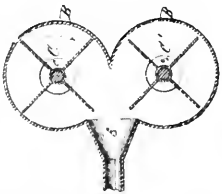
102,621, H. N. THOMPSON.

WASHING-MACHINE.

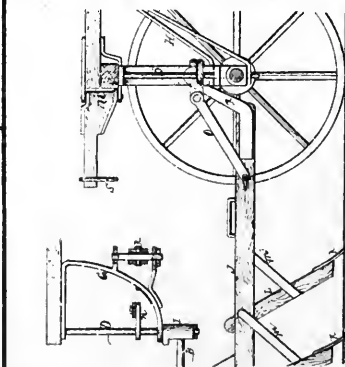
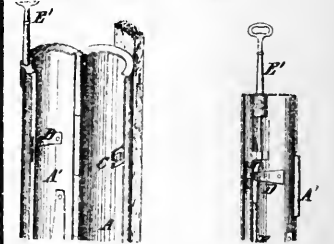
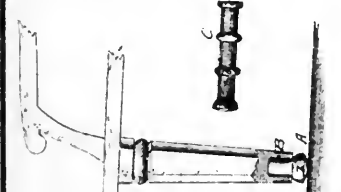
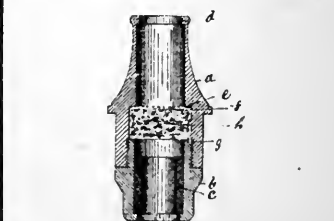


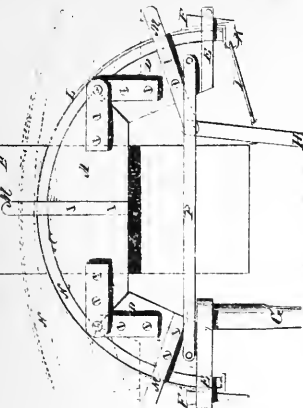
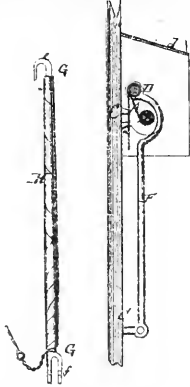
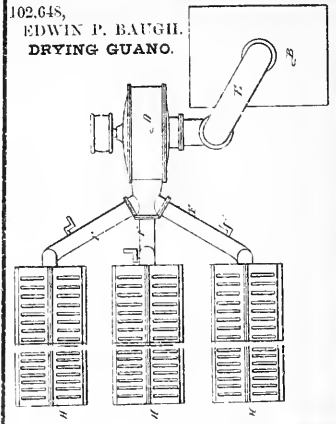
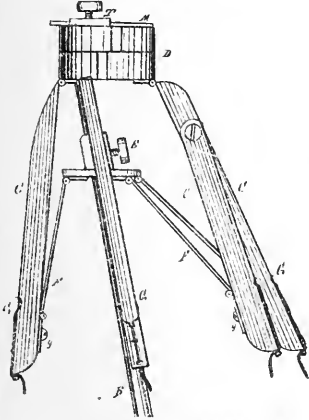
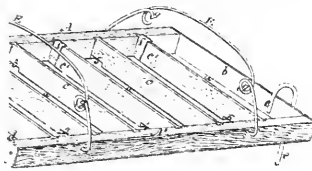
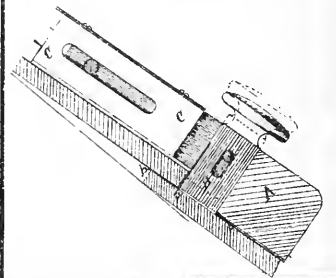
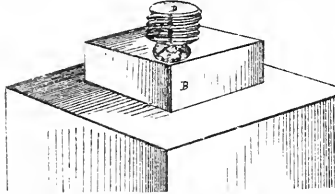
102,622, THEODORE R. TIMBY  
SASH-FASTENERS.JOSEPH B. WAKEMAN  
ALFONZO R. FIELD.  
WASHING AND WRINGING-MACHINE.  
102,628,102,632, JOHN M. WEYAND.  
APPARATUS FOR DISTILLING.102,623, GEORGE H. TITCOMB.  
JNO. P. CULVER.  
DRAIN AND WATER-PIPE.102,629. C. G. WATERBURY.  
STONE PAVEMENT.102,624, WILLIAM H. TRISSLER.  
FAUCETS.ABRAHAM TROUP.  
MACHINE FOR BORING HUBS.  
102,625,102,630. C. H. WEIGLE. ATTACHING  
HANDLES TO JOINER'S PLOWS.

102,634. J. T. WHIPPLE PUMP.

102,626, JOHN GEORGE TSCHULIN.  
BLOWERS FOR BLACKSMITHS' FORGES.

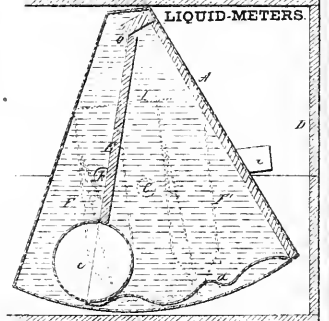
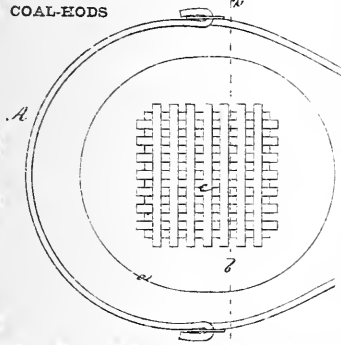
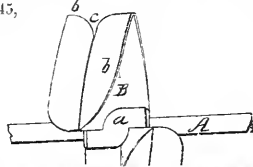
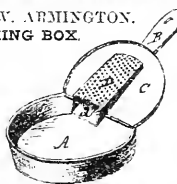
102,631. N. WERTS. CULTIVATOR.

102,635, JOHN W. WHITEMAN.  
SAFETY-SOCKET FOR WHIPS.  
UMBRELLAS, BILLIARD-CUES, &c.102,627, SILAS VAN PATTEN.  
ELASTIC TIP FOR LEGS OF CHAIRS, &c.102,636, NARUM C. WILDER.  
WATER-COCK FILTER.

102,637, W. D. WILLIAMS.  
MACHINE FOR BENDING WOOD.102,642, LOUIS YENNE.  
ADJUSTABLE AWNING-FRAME.102,648,  
EDWIN P. BAUGH.  
DRYING GUANO.102,638, C. C. WILSON.  
FORMER FOR HOOP-SKIRTS.102,643, ALANSON YOUNG.  
EVAPORATING APPARATUS.102,640, J. S. BIDDLECOM.  
CLAPBOARD-GAUGE.102,644, THEODORE B. YOUNG.  
SUBSTITUTE FOR JAM-NUTS.

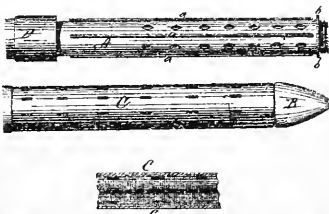
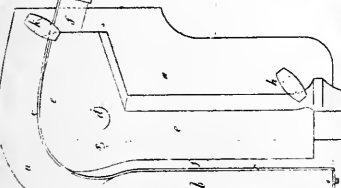
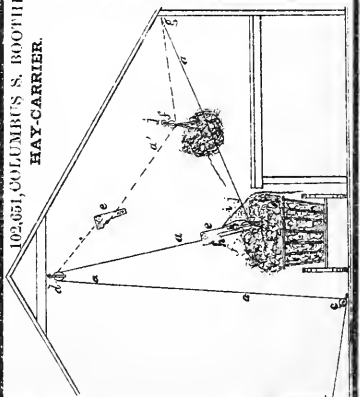
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LIQUID-METERS.

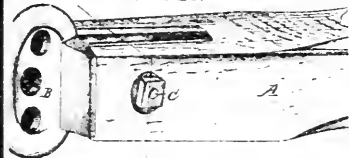
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COAL-HODSCHS. ARLEN.  
CHS. GAUTSCHI. SCREW-PROPELLERS  
102,645,102,646, WILLIAM W. ARMINGTON.  
STOVE-BLACKING BOX.

102,647, I. AYRES AND D. C. PAYNE.

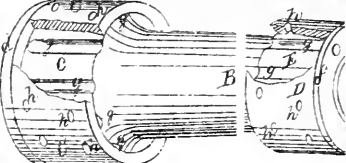
WELL TUBE.

102,641, HENRY WINTER.  
BENDING-MACHINE102,651, COLUMBUS S. BOOTHBY.  
HAY-CARRIER.

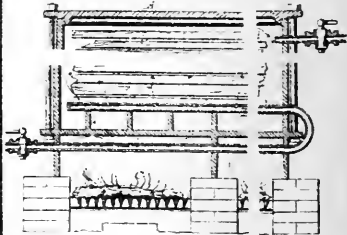
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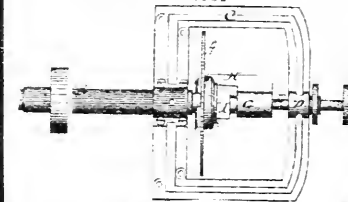
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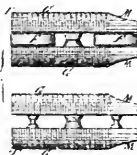
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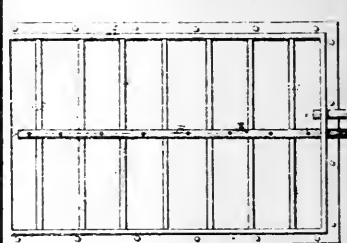
102,653, HENRY BROOMELL. SAW. ALVIN W. WILSON.



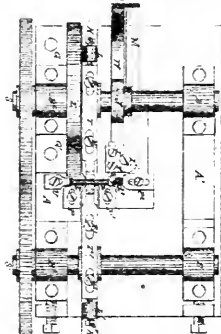
102,658, WM. DAMEREL. SASH-BALANCES.



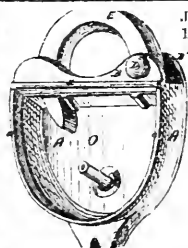
102,665, RICHARD A. DOUGLAS. SEASONING WOOD.



102,659, JOHN T. DARNELL. STAPLE-MACHINE.

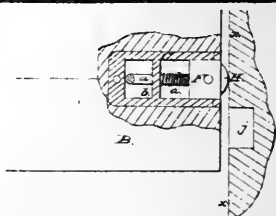
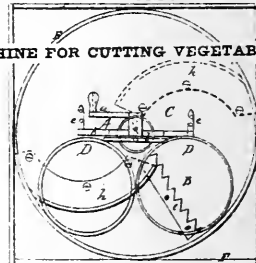


102,660, THOMAS HALE DAVIS. COMPOSITION FOR AND MODE OF ORNAMENTS WOOD.



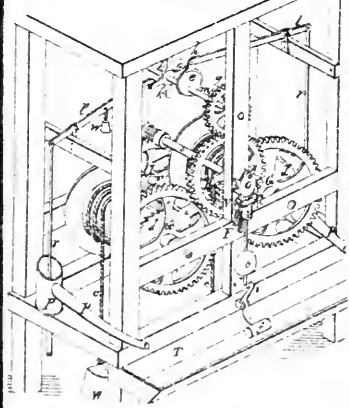
JAMES M. A. DEW. 102,661, PADLOCKS.

102,666, WILLIAM R. DUNN. MACHINE FOR CUTTING VEGETABLES.

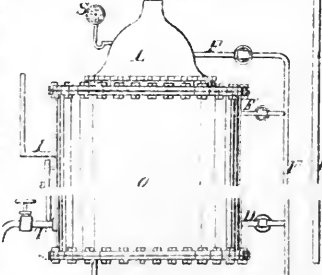


102,667, WM. A. EISENHOWER. SASH-HOLDER.

102,655, GEO. C. CANFIELD. WATER-ELEVATORS.



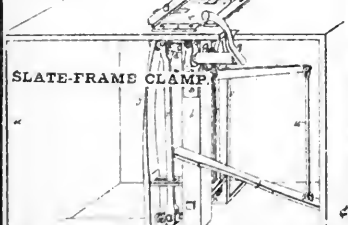
102,662, T. S. DICKERSON AND R. M. WHIPPLE. PROCESS AND APPARATUS FOR USING LIQUID FUEL FOR PRODUCING HEAT AND LIGHT.



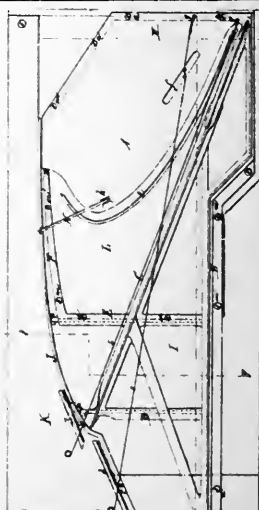
JONATHAN DILLEN. 102,663, SAFETY DERRICK-LAMPS.

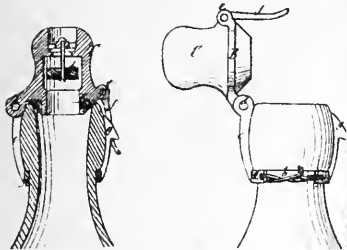


102,656, JAMES H. COFFIN. SLATE-FRAME CLAMP.

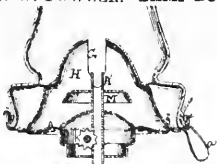
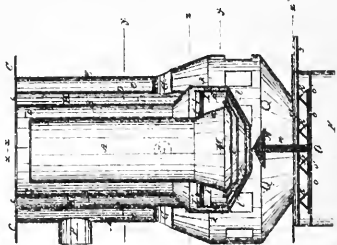
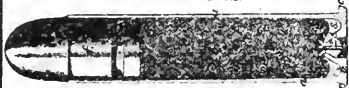
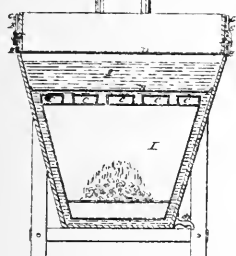


102,668, GEORGE ELY. PIANOFORTES.

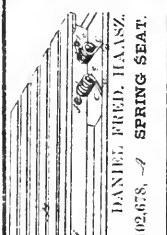
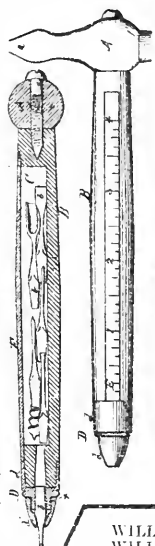
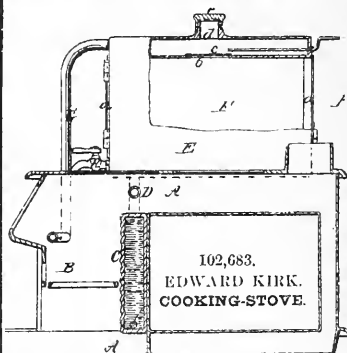
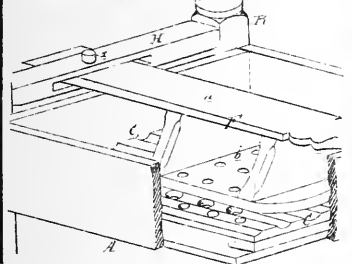
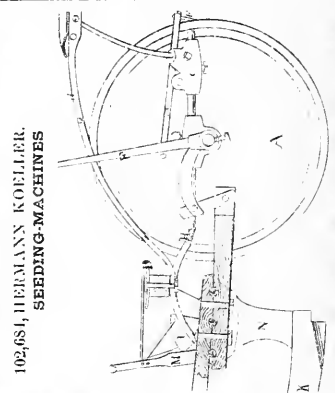
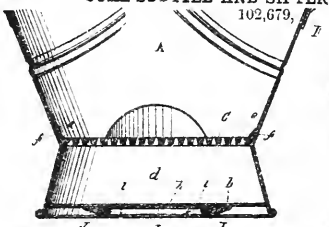
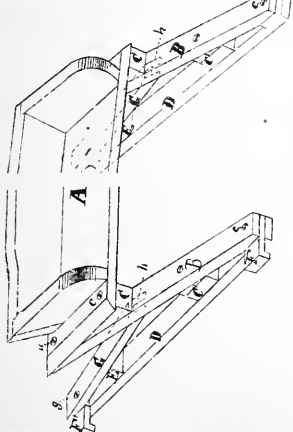
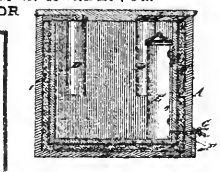
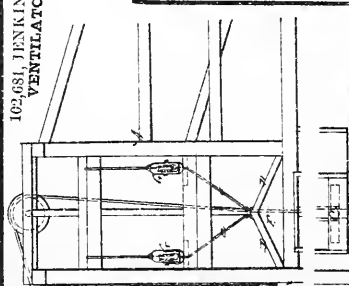
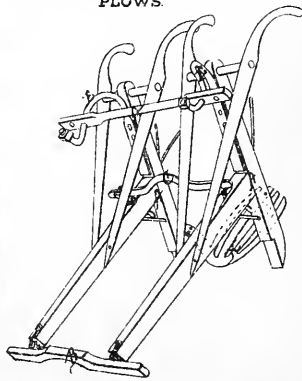


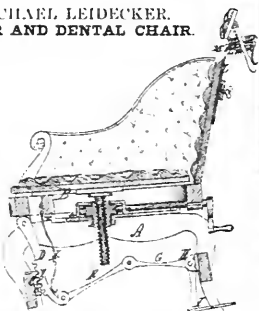
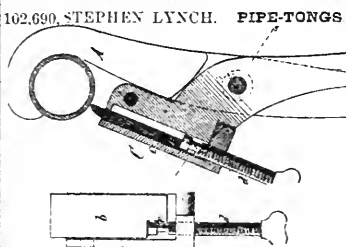
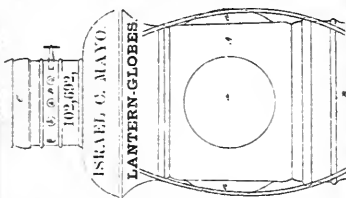
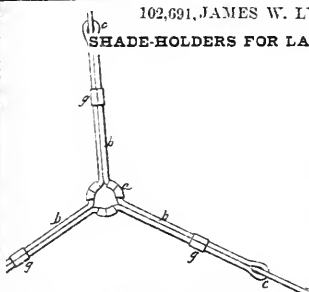
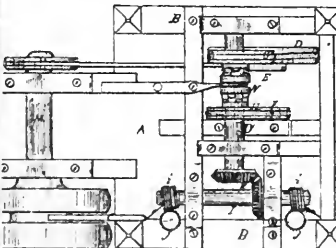
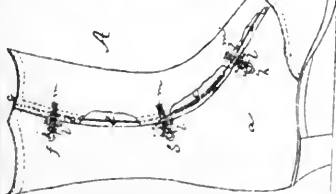
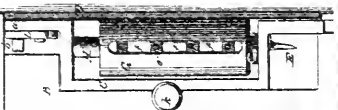
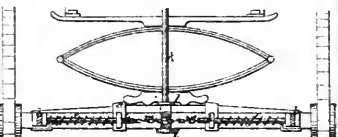
102,669, WILLIAM ELY.  
BOTTLE-STOPPERS.

102,674, S. W. FOWLER. LAMP-BURNERS.

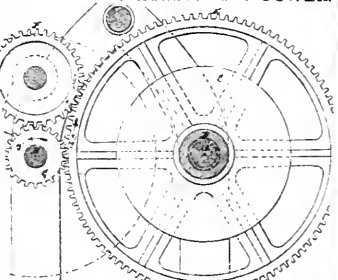
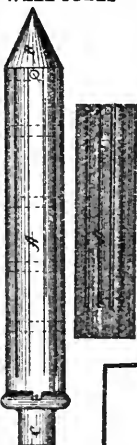
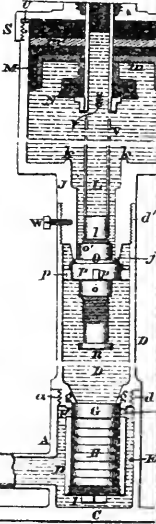
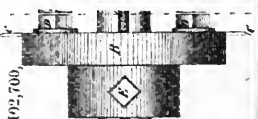
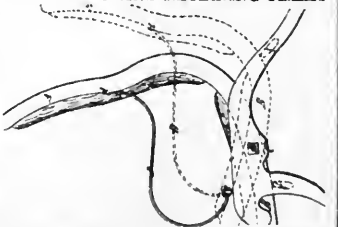
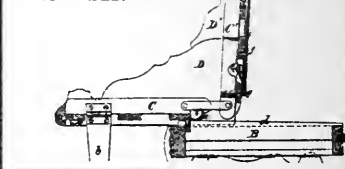
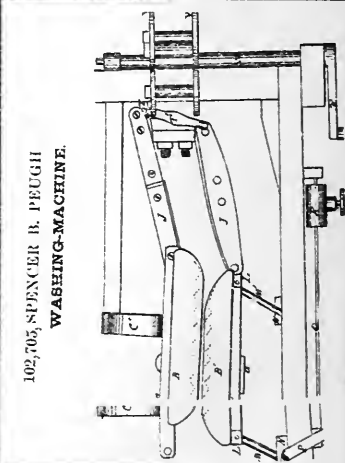
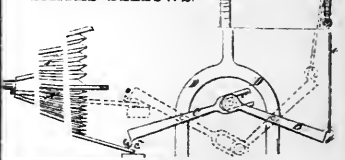
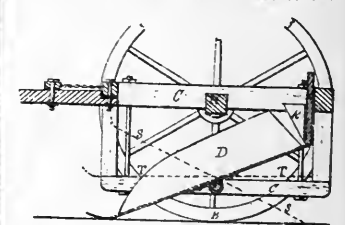
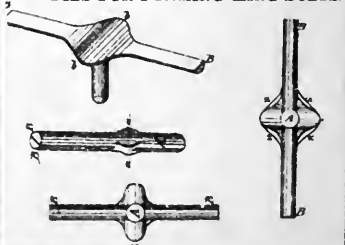
102,682, WILLIAM J. KEEP.  
BASE-BURNING STOVE.102,675, RICHARD J. GATLING.  
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102,670, ROUGHING-ROLL.GEORGE GEER.  
102,676, MATCH-SAFE.102,671, FRANCIS FARQUHAR.  
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102,677, GEO. W. GREGORY. COMBINATION-TOOL.

DANIEL FRED. HAASZ.  
102,678, SPRING SEAT.102,683,  
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COOKING-STOVE.102,672 BENJAMIN F. FELLMAN.  
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WILLIAM H. FLANIGAN  
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P. W. COPUTT  
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DR. JOHN DEGGELLER.  
102,686, TREATING RHEUMATISM102,687, WILLIAM M. LANHAM.  
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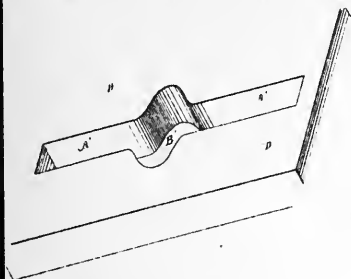
102,688, MICHAEL LEIDECKER.  
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OF FERTILIZERS AND OIL FROM FISH.102,691, JAMES W. LYON.  
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SHOE-FASTENERS.102,695, JAMES McMILLIN.  
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TO WHEELED VEHICLES.

102,696, DAVID A. McNAIR. SEAL-LOCKS.

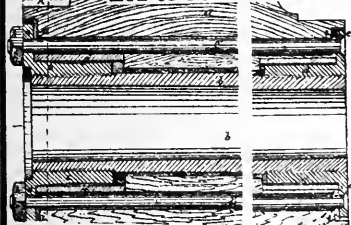
102,697, A. W. MORTON.  
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WELL-TUBES.102,698, JOHN MYERS.  
HYDRANTS.G. M. NICKASON.  
SASH-MARKERS.102,701, THEODORE J. PALMER.  
ROCKING AND RECLINING-CHAIR.102,702, F. C. PAYNE.  
SOFA-BED.102,703, HART F. PEASE.  
PISTON CONNECTIONS.102,704, GEORGE H. PEEK.  
SMITHS' BELLOWS.102,706, JAMES PRESTON.  
GRADING-MACHINE.102,707, F. B. REINDLE.  
DIES FOR FORMING KING-BOLTS.



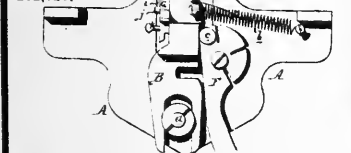
102,708. FRANKLIN B. PRINDLE.  
DIES FOR TRIMMING KING-BOLTS



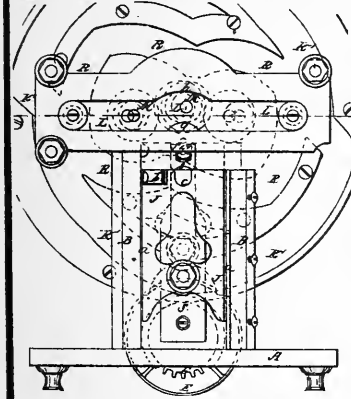
102,709. J. RADDIN.  
HUB OF ROAD CARRIAGES.



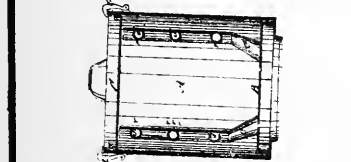
GEORGE REHFUSS, SEWING-MACHINE.  
102,710.



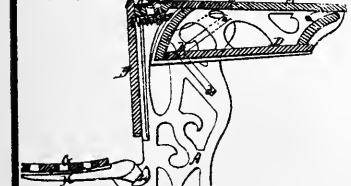
102,711. HENRY REYNOLDS.  
MACHINE FOR MAKING CHAIN-LINKS



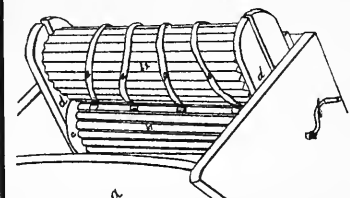
102,712. JACOB RINGLE.  
WASH-BOILER APPARATUS.



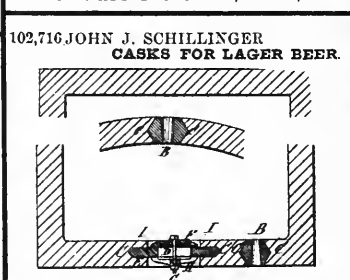
CHAS. H. ROBERTS. SCHOOL DESK.  
102,713.



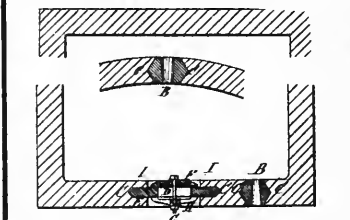
102,714. W. T. C. RUNNELLS.  
WASHING-MACHINE.



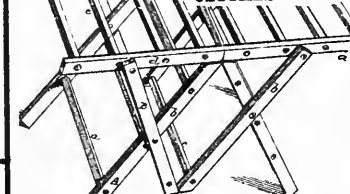
102,715. OLIVER SCHAFER. COMPOUND  
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102,716. JOHN J. SCHILLINGER.  
CASES FOR LAGER BEER.



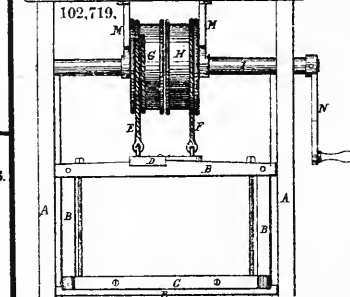
102,717. HENRY SCHRYVER.  
CLOTHES-DRIER.



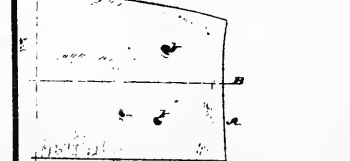
102,718. ANDREW B. SEARLES.  
TEA AND COFFEE-STRAINERS.



HENRY F. SHAW. HOISTING-GEAR.



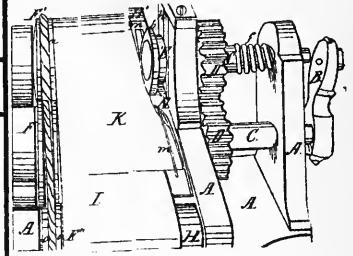
102,720. GEORGE V. SHEFFIELD.  
HEEL-STIFFENER  
FOR BOOTS AND SHOES.



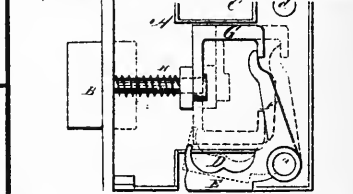
102,721. GEORGE V. SHEFFIELD.

SHANK-PIECE  
FOR BOOTS AND SHOES.

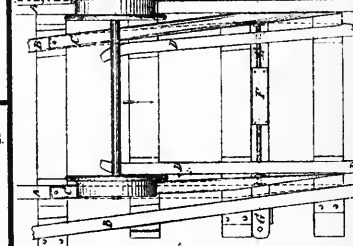
102,722. GEORGE A. SHEPARD.  
MACHINES FOR COVERING REEDS  
FOR HAT-TRIMMINGS.



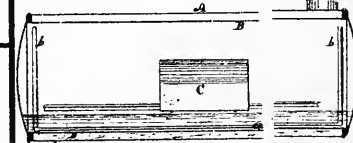
WILLIAM E. SPARKS.  
102,723. REVERSIBLE-LATCHES.



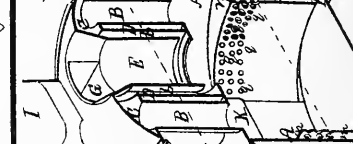
W. H. STAATS. RAILWAY-SWITCHES  
102,724.



102,725. FRANCIS A. STEVENS.  
APPARATUS FOR PRESERVING WOOD.



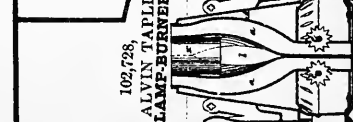
DAVID L. STILES. HEATING-STOVE  
102,726.



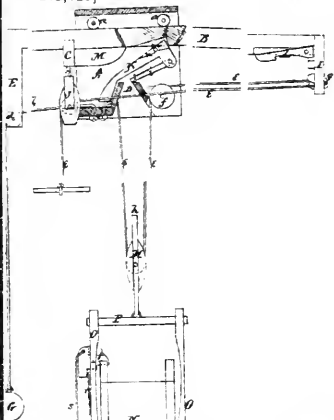
SEPTIMUS C. STOKES.  
102,727. KNIFE-SHARPENER.



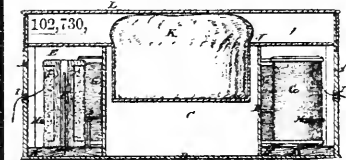
102,728.  
ALVIN TAPLIN.  
LAMP-BURNERS.



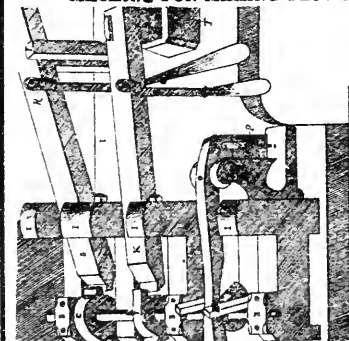
ABRAHAM THOMAS.  
GEORGE D. THOMAS.  
102,729. HAY AND LIME ELEVATORS.



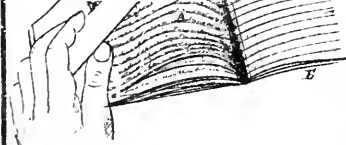
THEODORE R. TIMBY. COMBINED  
THREAD AND NEEDLE-CASES.



102,731. JAMES URIE.  
MACHINE FOR MAKING PLOWS.



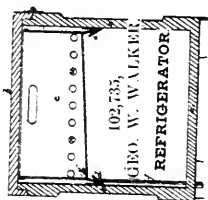
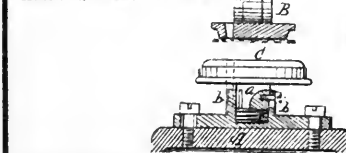
102,732. PHILIP F. VAN EVEREN.  
COPY-BOOKS.



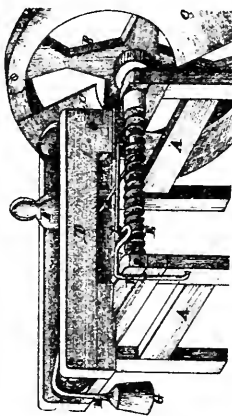
PHILIP F. VAN EVEREN  
102,733. BOOK-COVER PROTECTORS.



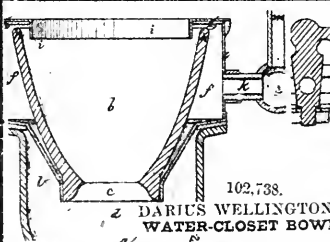
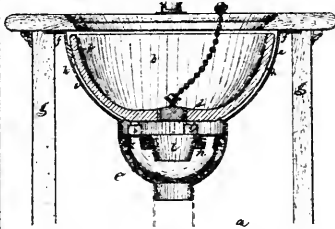
102,734. L. B. VAN KHECK.  
HAND STAMP-CANCELERS.



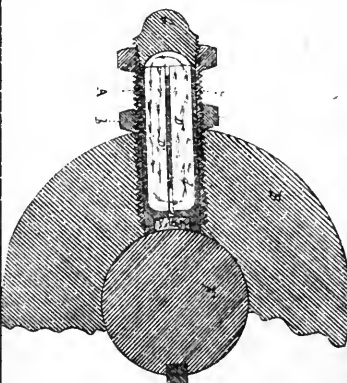
102,736. COLUMBUS M. WEATHERS.  
STRAW-CUTTERS.



102,737. DARIUS WELLINGTON.  
LAVATORY APPARATUS.

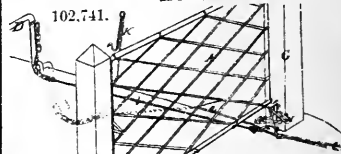


ISAAC P. WENDELL.  
STEPHEN P. M. TASKER. 102,739.  
LUBRICATOR FOR LOOSE PULLEYS.

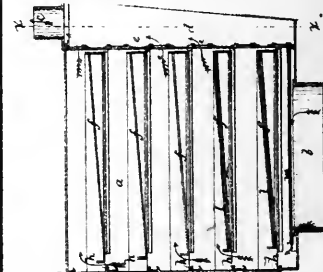


102,740. JAMES D. WHEPLEY.  
JACOB J. STORER.  
MANUFACTURE OF WROUGHT IRON  
FROM ORE, CINDER, OR SLAG.

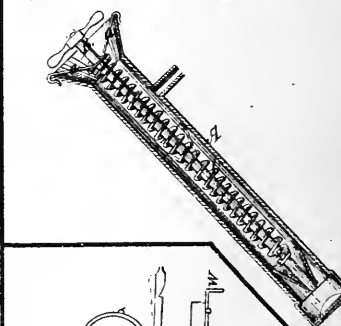
SAMUEL WHITAKER.  
AUTOMATIC GATE.



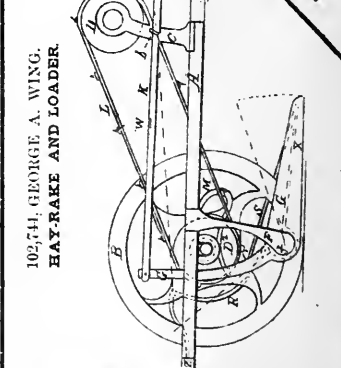
102,742. G. W. WHITE AND  
L. F. WENTWORTH. DRIER.



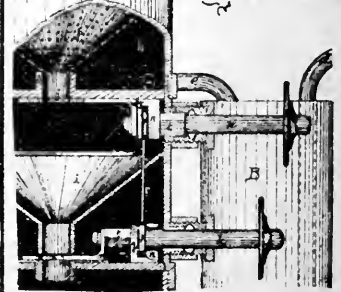
102,743. F. C. WILSON. PUMPS.



102,744. GEORGE A. WING.  
HAYRAKE AND LOADER.

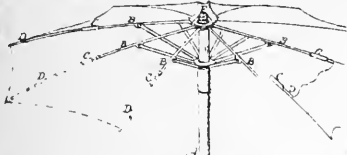


102,745. F. M. YOUNG. APPARATUS FOR  
DISTILLING SPIRITS.



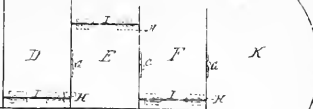
102,746, SOLOMON W. YOUNG.

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3,949, CHARLES PHILIPP LENZ

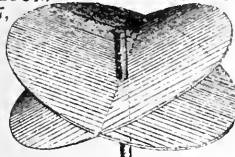
EXTENSION-TABLE.



A. C. LOUD.

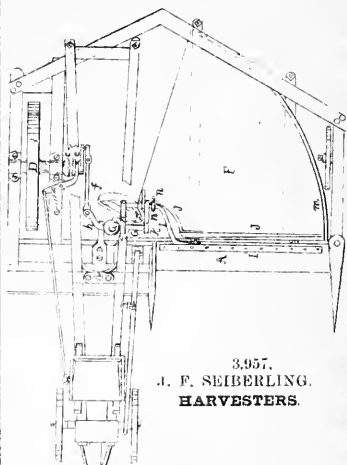
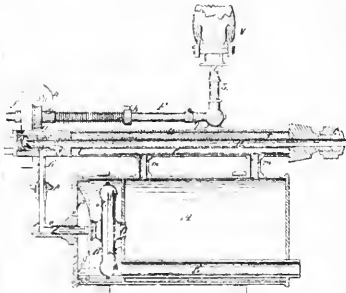
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102,747.



3,950, HIRAM S. MAXIM.

STEAM GAS-GENERATORS.



3,957.

J. F. SEIBERLING.  
HARVESTERS.

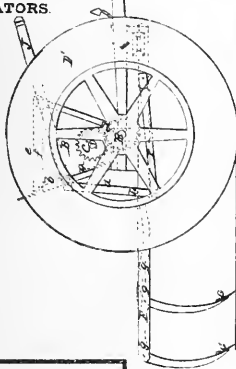
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3,945.

ALEX. HATHAWAY.

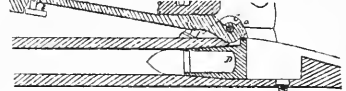
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CULTIVATORS.



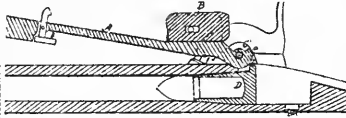
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BREECH-LOADING FIRE ARM.



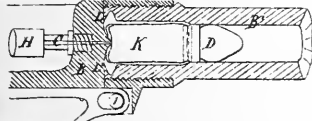
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BREECH-LOADING FIRE-ARMS.



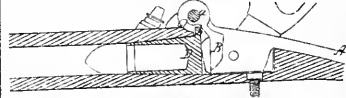
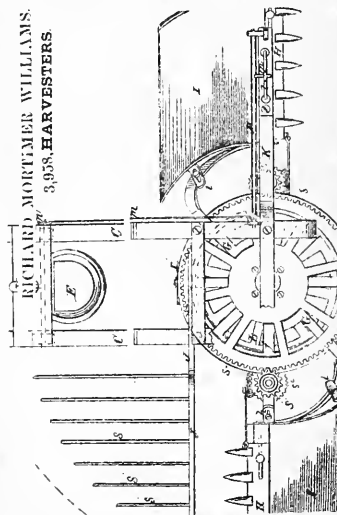
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3,953, B. S. ROBERTS.

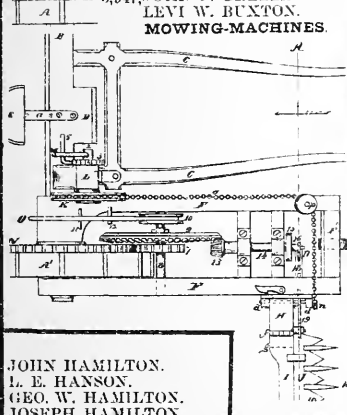
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3,947, JOHN P. GREELEY.

LEVI W. BUXTON.

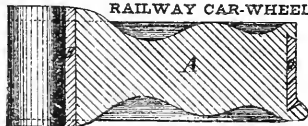
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JOHN K. SAX.

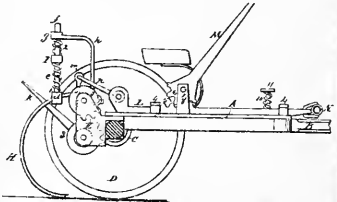
3,954, GEORGE W. KEAR.

RAILWAY CAR-WHEELS.

3,959, JOSEPH WOLFF. MANUFACTURE  
OF YEAST FOR DISTILLERS

3,960, ALZIRUS BROWN.

HORSE HAY-RAKES.



JOHN HAMILTON.

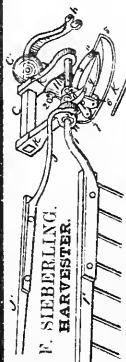
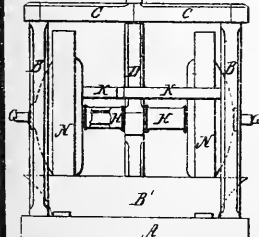
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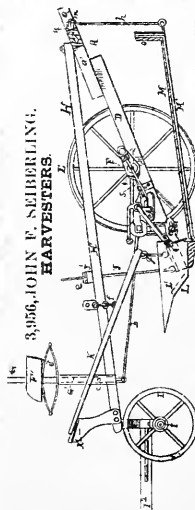
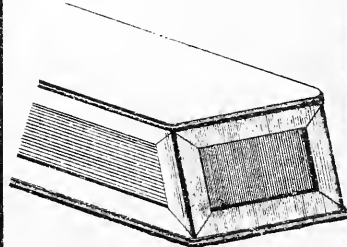
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ORE-CRUSHER.

J. F. SEIBERLING.  
HARVESTER.

3,955.

3,956, JOHN F. SEIBERLING.  
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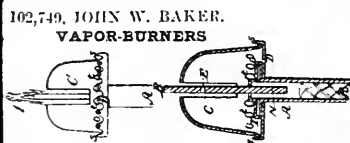
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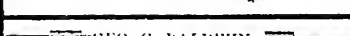
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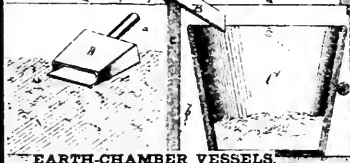
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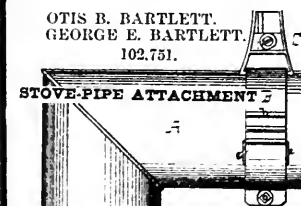
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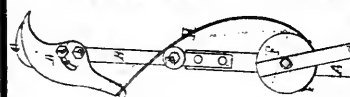
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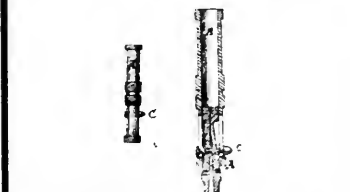
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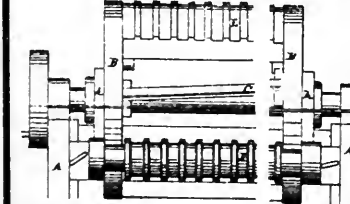
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PRUNING AND HEDGE-SHEARS.



102,753. J. S. BIRCH.  
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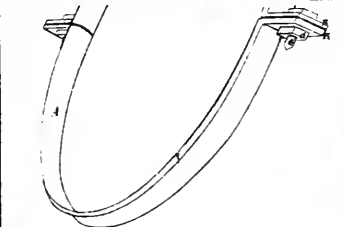
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CRIMPING-ATTACHMENTS  
TO PAPER-MACHINES.



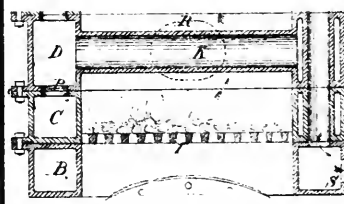
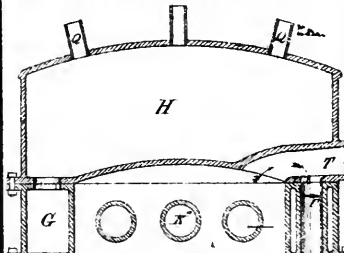
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BANDAGING AND BOXING CHEESE.



102,756. T. H. BODY.  
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102,757. ELIJAH M. BOSLEY.  
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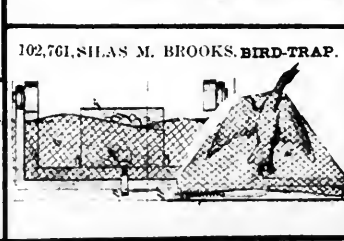
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102,759. CHARLES BRADWAY.  
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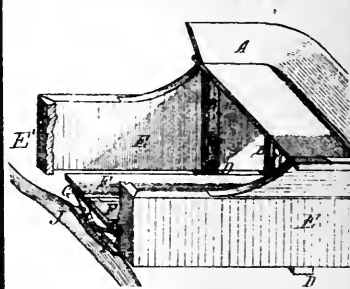


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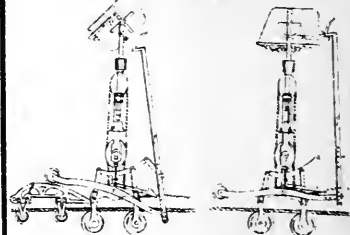


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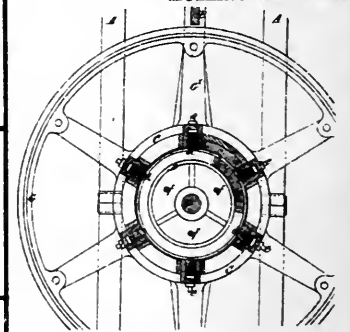
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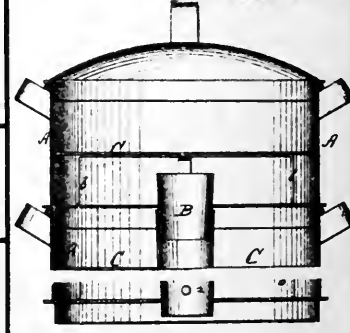
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102,764. G. A. BUCHHOLZ.  
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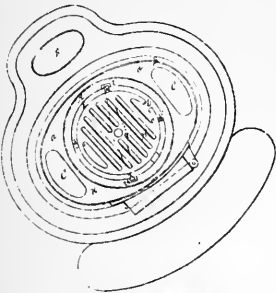
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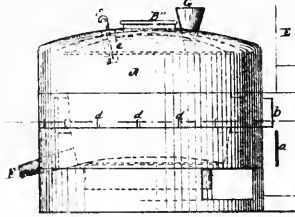
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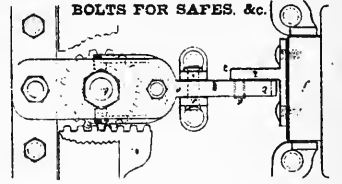
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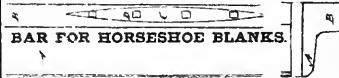
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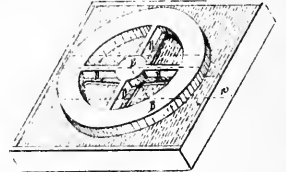
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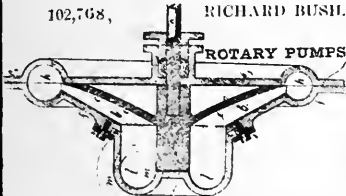
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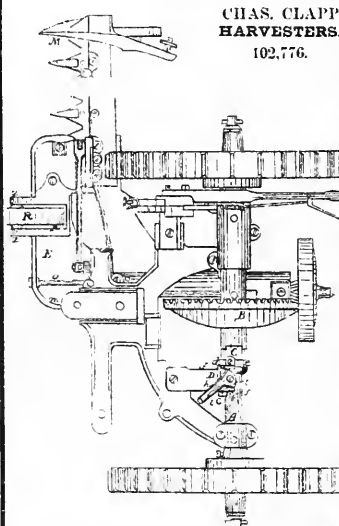
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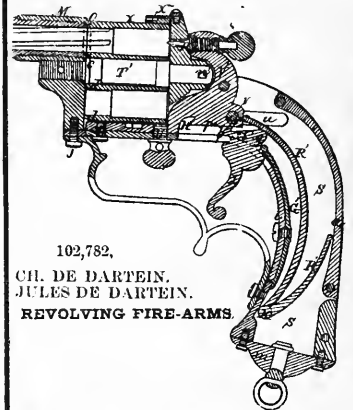
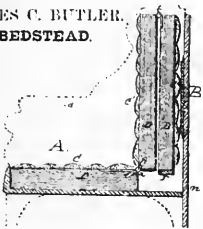
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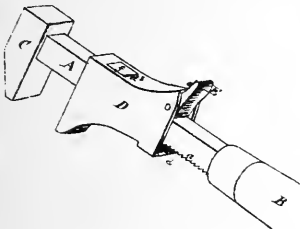


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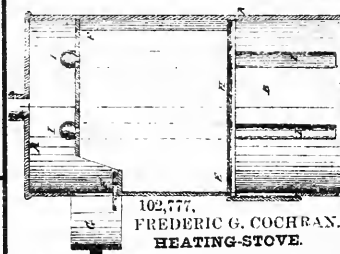
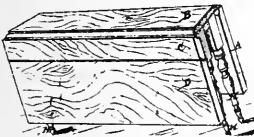


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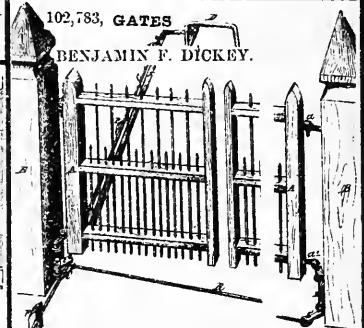
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102,771, WALTER CALDWELL.  
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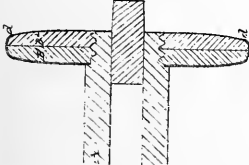


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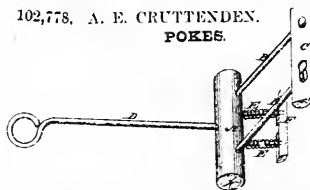


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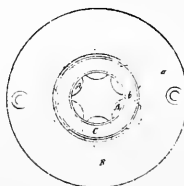
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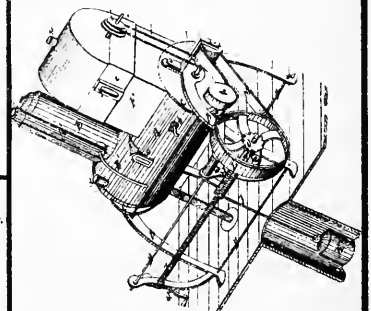
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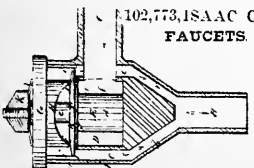
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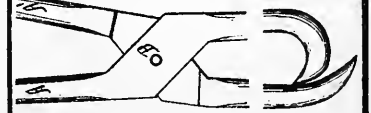
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102,773, ISAAC CAREY.  
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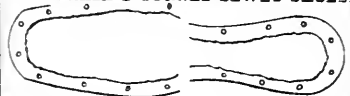


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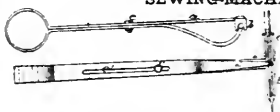




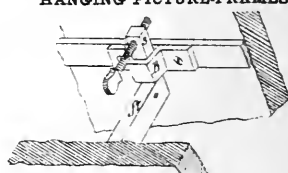
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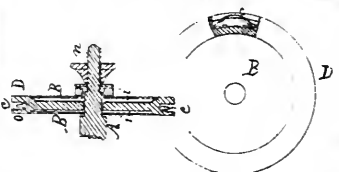
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102,803, JOHN X. GILLISPIE.  
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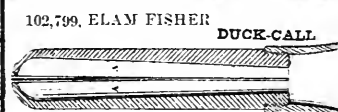
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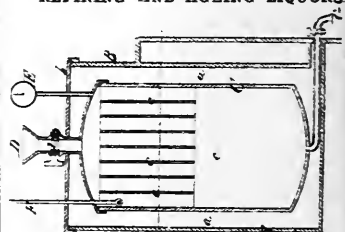
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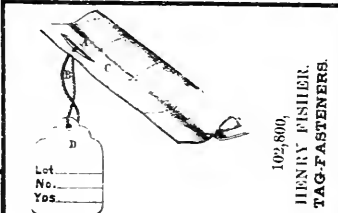
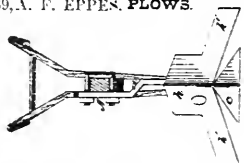


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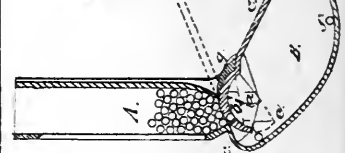


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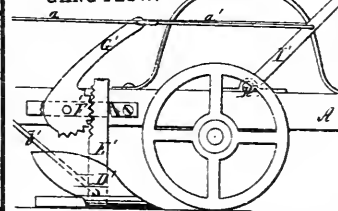
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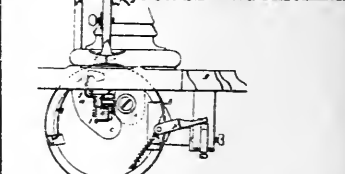
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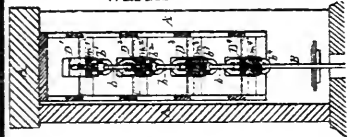
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102,808, JAMES E. GOWEN.  
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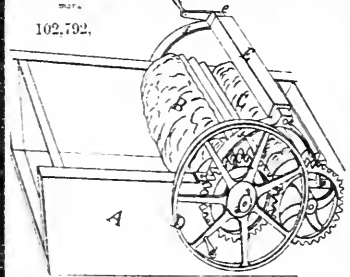


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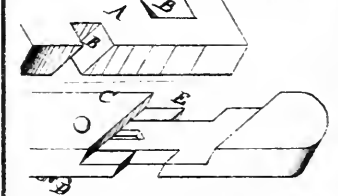


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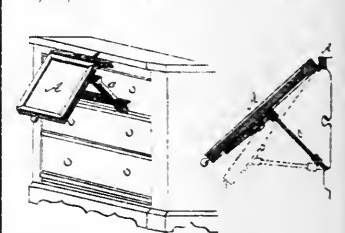
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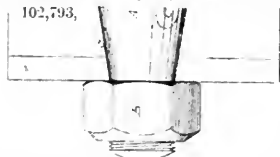


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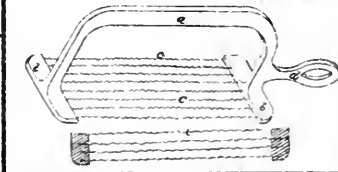


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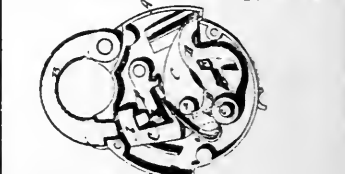
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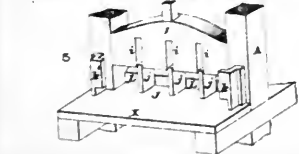
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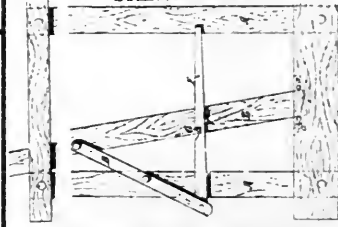
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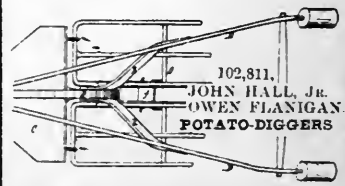
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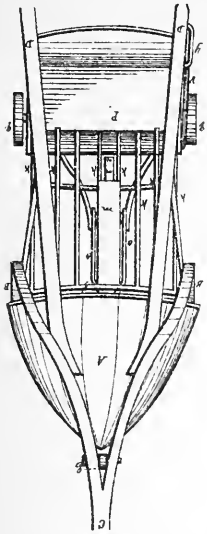
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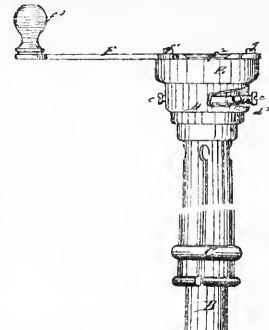
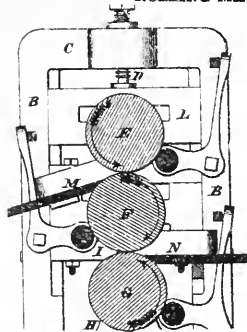
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102,812, JOHN HALL, JR.  
POTATO-DIGGER.

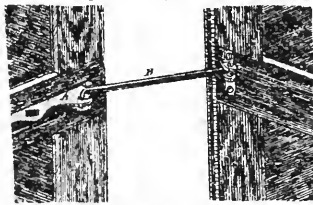


102,816, JOHN R. HASTINGS,  
GEORGE HASTINGS, JR.  
ROLLING-MACHINE.

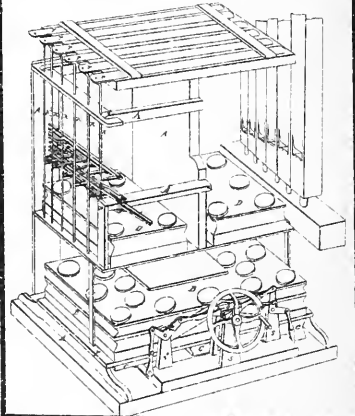


102,822, WILLIAM JACKSON,  
CHURCH-ORGANS.

102,817, CYRUS N. HERR.  
ADJUSTABLE SHUTTER-HOLDERS.

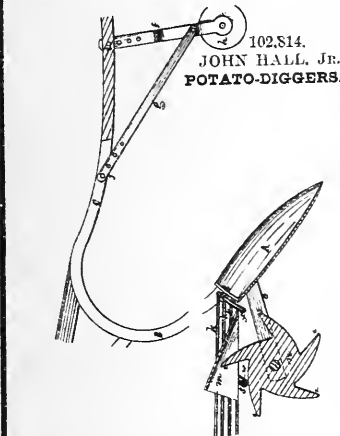
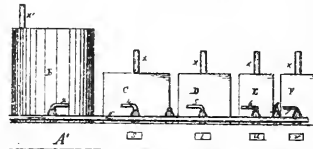


102,818, HENRY HICKMAN.  
HAND CORN-PLANTERS.



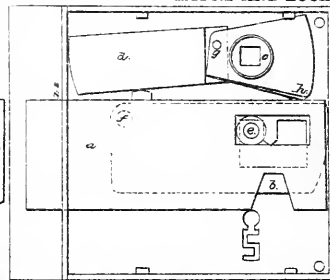
102,813,  
JOHN HALL, JR.  
AGITATOR-WHEEL  
FOR POTATO-DIGGERS.

102,819, S. A. HILL,  
CHAS. F. THUMM.  
APPARATUS FOR DISTILLING  
HYDROCARBON OILS.

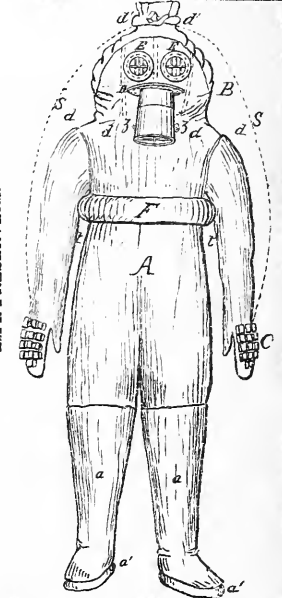


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POTATO-DIGGERS.

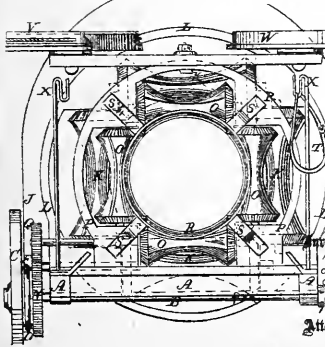
102,820, FRIEDRICH HOPPE.  
COMBINED LATCH AND LOCK.



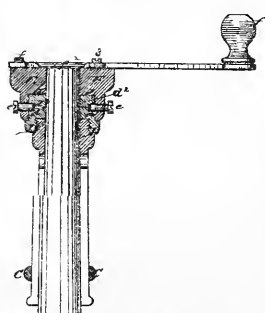
102,823, LYMAN JACOBS.  
LIFE-PRESERVERS.



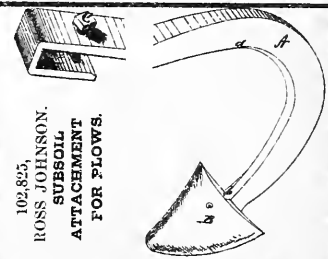
102,815, W. D. HARRAH,  
I. M. GIFFORD, AND E. T. JOHNSON.  
GRAIN BINDER.



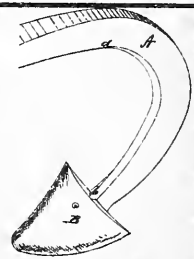
102,821, JOSEPH HUBER.  
CUE-CUTTING MACHINE.



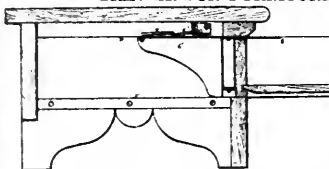
102,824, HENRY W. JOHNS.  
ACID AND WATER-PROOF  
COMPOSITION FOR COATING CLOTH.



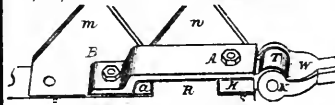
102,825,  
ROSS JOHNSON.  
SUBSOIL  
ATTACHMENT  
FOR PLOWS.



102,826, GEO. F. JOYCE.  
DRAWER FOR FURNITURE.

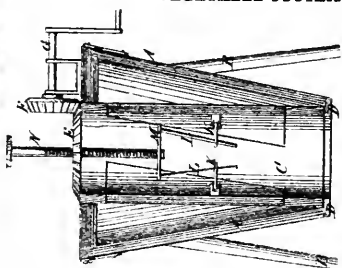


102,835, JACOB KLINE. HARVESTERS.

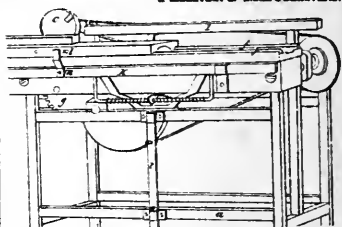


102,836, WILLIAM KRAMER.  
HEALING-PLASTERS.

102,837, H. P. LAUER.  
H. C. REICHARD.  
VEGETABLE-CUTTER.



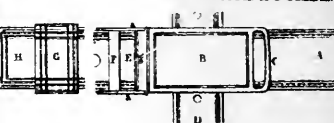
102,842, GEORGE H. MANSFIELD.  
PLANING-MACHINES.



102,827, GEO. F. JOYCE.  
SASH-SUPPORTERS.



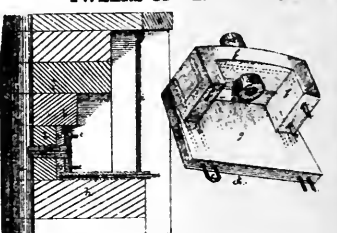
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JAMES OFFINER.  
TRACE-BUCKLE.



102,828.  
ALBERT D. JUDD.  
MATCH-SAFE.



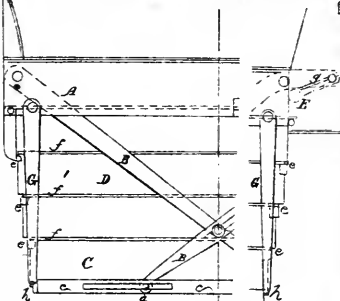
102,844, THOMAS W. McCUNE.  
TWEERS OF BLAST-FURNACES.



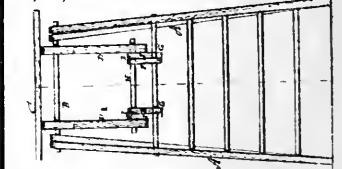
102,838, WM. P. LETCHWORTH.  
BRIDLE-BIT.



102,839, CHRISTOPHER LIDREN.  
PLATFORMS FOR HARVESTERS.



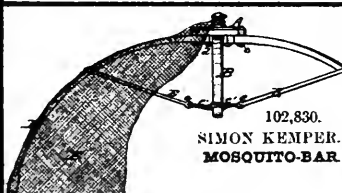
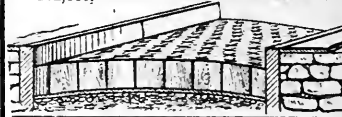
102,845, W. H. McHENCH. LADDER.



102,829, DANIEL KELLY. BORING BITS.

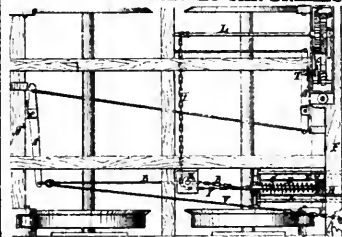


102,846, A. B. McKEON. PAVEMENTS.

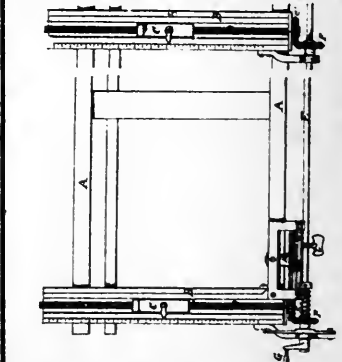


102,830.  
SIMON KEMPER.  
MOSQUITO-BAR.

102,840, ALMERIN H. LIGHTHALL.  
RAILWAY-CAR BRAKES.



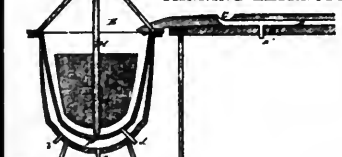
102,847, CORNELIUS MEINERS.  
HEAD-BLOCKS OF SAW-MILLS.



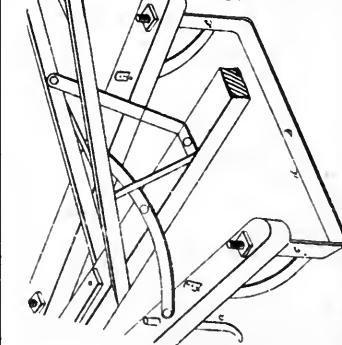
102,831, H. H. KENDRICK.  
CLOTHES-DRIER.



102,832, S. H. KENNEDY.  
APPARATUS FOR OBTAINING  
TANNING EXTRACTS



102,841, TRUMAN MABBETT, SR.  
CULTIVATORS.



102,833, HERMANN H. KESSLER.  
MANUFACTURE OF  
MEDICATED MALT LIQUORS

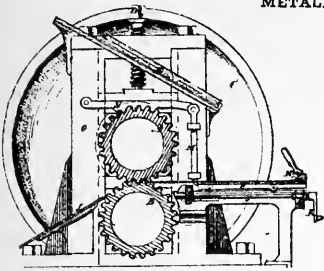
102,834, EDWARD KIRK FENCE.



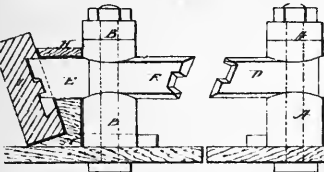
102,848, CARL MILLER.  
SELF-PACKING BUSHES FOR SPINDLES



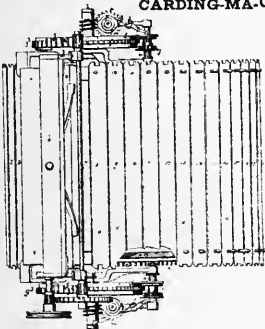
102,849, JAMES MONTGOMERY  
APPARATUS FOR CORRUGATING  
METAL.



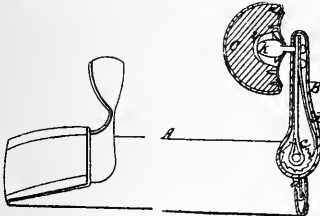
102,850, S. J. MOORE.  
G. A. BUCKMAN  
TOOLS FOR MAKING SLIDES  
FOR EXTENSION-TABLES.



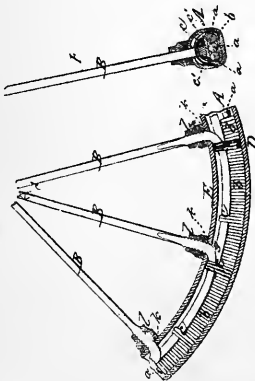
102,851, FERDINAND MORF.  
MECHANISM FOR STRIPPING  
THE TOP FLATS OF  
CARDING-MACHINES.



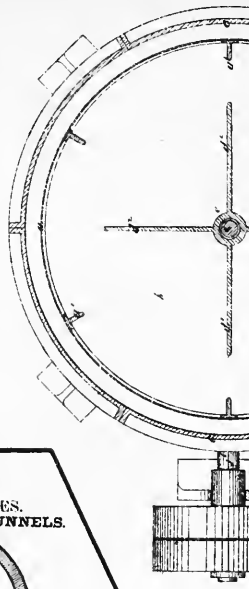
102,852, PETER MÜLLER. TRUSSES.



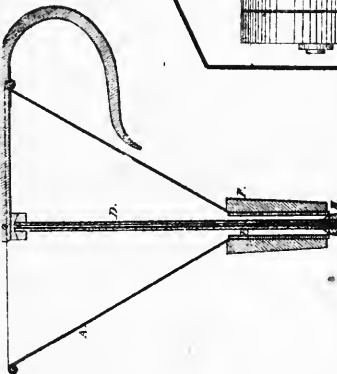
102,853, IRA F. MONTSON.  
WHEEL FOR VEHICLES.



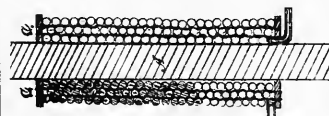
102,854, W. E. NEWTON.  
APPARATUS FOR CLEANING AND  
PREPARING RAGS FOR MANU-  
FACTURE OF PAPER.



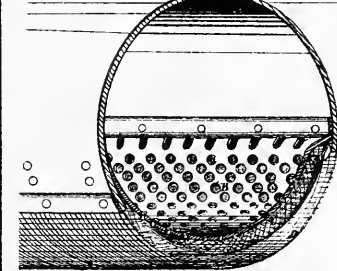
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P. H. NILES.  
FUNNELS.



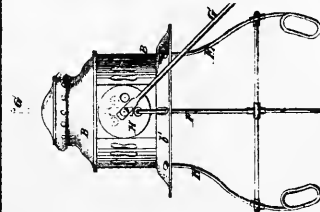
102,856, HENRY M. PAINE.  
ELECTRO-MAGNETS.



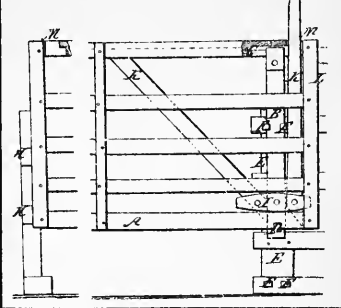
102,857, ALMARIN B. PAUL.  
SELF-DISCHARGING PULVERIZING  
BARREL.



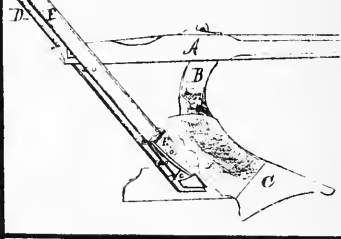
102,858, SAM'L. PETERS. LANTERNS.



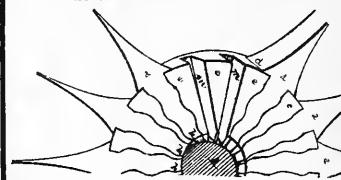
102,859, HOWARD PIPER.  
FARM-GATES.



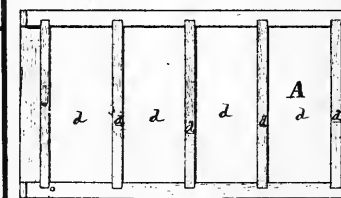
102,860, S. W. POPE.  
FLOWS.



102,861, ROBERT POTTS.  
NATHANIEL OGDEN.  
SPOKES FOR WAGON-WHEELS.



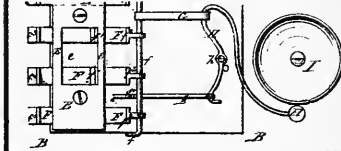
102,862, ALBERT T. PUTNAM.  
BRICK-MOLDS AND BOTTOM-BOARDS.



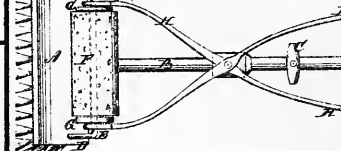
102,863, ADDISON C. RAND. WHIPS.



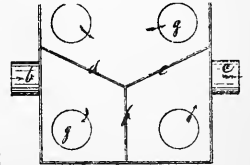
102,864, EDEN REED. ALARM-TILLS.



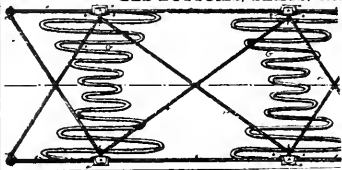
102,865, EDWIN REES. SCRUBBING  
BRUSH AND MOP-WRINGER.



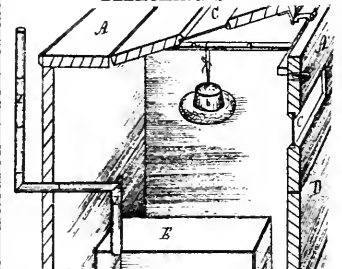
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JESSE REYNOLDS.  
HEATING-DRUM.



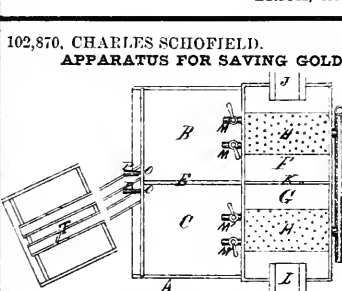
102,867, CHARLES RICH.  
CONNECTION OF SPRINGS FOR  
BED-BOTTOMS, SEATS, &c.



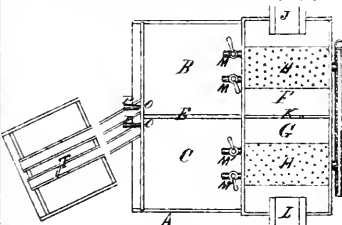
102,868, AMANDA M. <sup>her</sup> <sup>mark</sup> ROSBRUGH.  
BLEACHING STRAW GOODS.



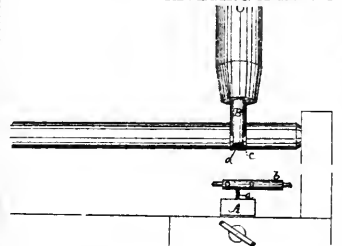
102,869, ELMOR J. SALISBURY.  
PRESERVING AND HARDENING STONE,  
BRICK, &c.



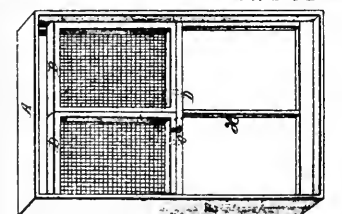
102,870, CHARLES SCHOFIELD.  
APPARATUS FOR SAVING GOLD.



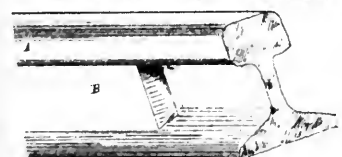
102,871, HENRY A. SEYMOUR.  
WILFORD H. NETTLETON.  
RIVETING-HAMMER.



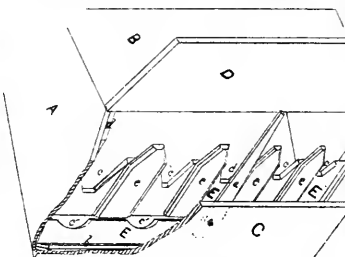
102,872, GEORGE SHATSWELL.  
WINDOW-SCREEN.



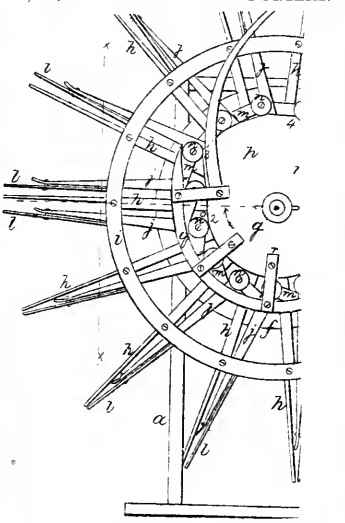
102,873, GEORGE SHATSWELL.  
FASTENING FOR RAILWAY RAILS.



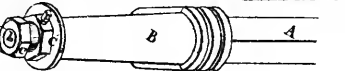
102,874, S. H. SHAW.  
STALLS FOR FEEDING ANIMALS.



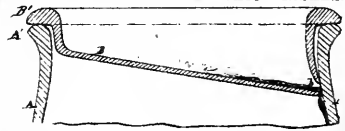
102,875, JAMES SMITH. FLAX-PULLERS.



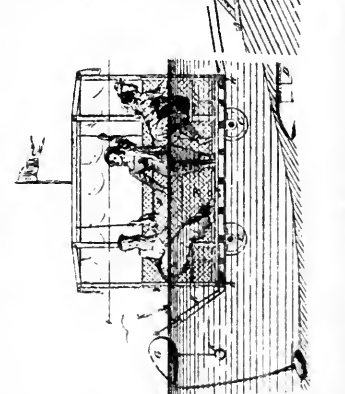
102,876, EDGAR A. STANLEY.  
AXLE-NUTS.



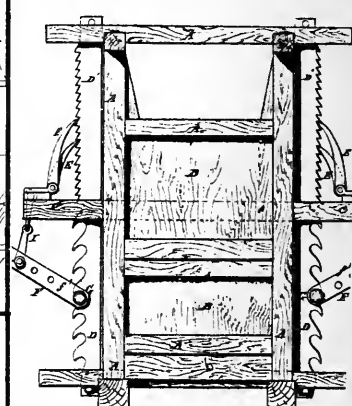
102,877, WILLIAM STOCKTON.  
COVER FOR CHAMBER VESSELS.



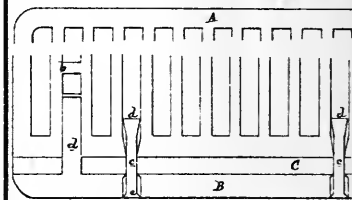
102,878, WM. TELL STREET.  
BATHING APPARATUS.



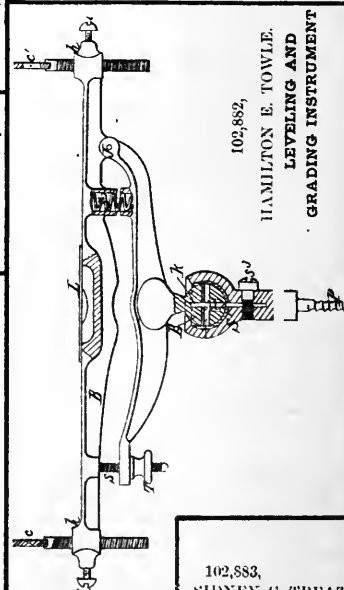
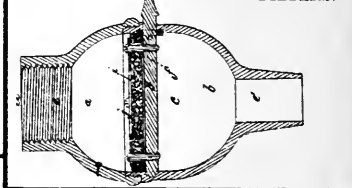
102,879 BRYANT F. STROUD  
BALING-PRESSES.



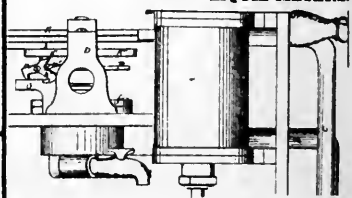
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STOVE-GRATE.



102,881, TAYLOR P. THOMPSON.  
FILTERS.

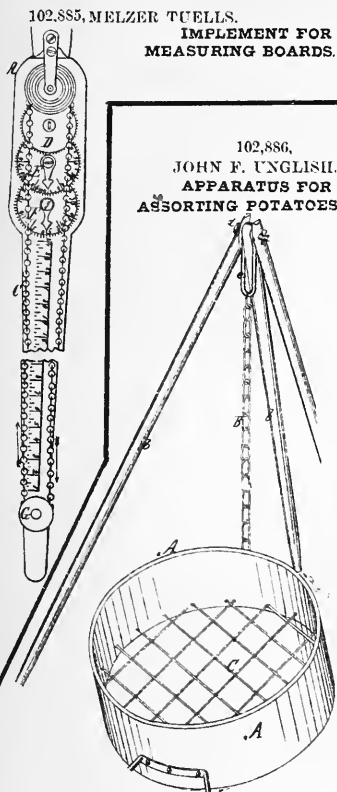


102,883,  
SIDNEY C. TREAT.  
LIQUID-METERS.



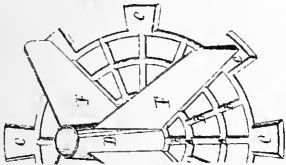


102,881, A. TRENAUCAY.  
WOODEN-BLOCK PAVEMENTS.

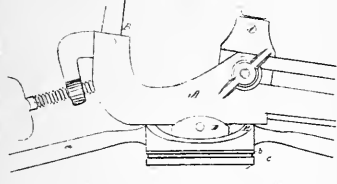


102,886,  
JOHN F. ENGLISH.  
APPARATUS FOR  
ASSORTING POTATOES

102,887, ORRIN UPDIKE.  
METALLIC CHURN-DASHER



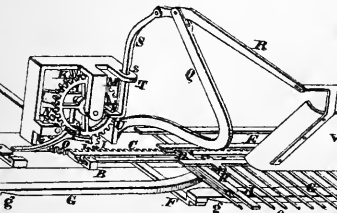
102,888, CHARLES VARNEY.  
PEGGING-JACKS.



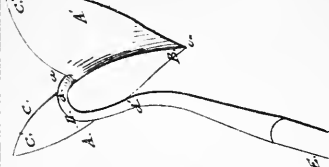
102,889, DAVID VOGT.  
HARNES-BUCKLE.



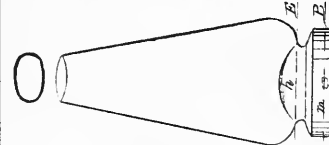
102,890, AARON WARD.  
HARVESTER-DROPPERS.



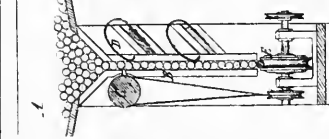
102,891, EDWARD WARREN. HOES



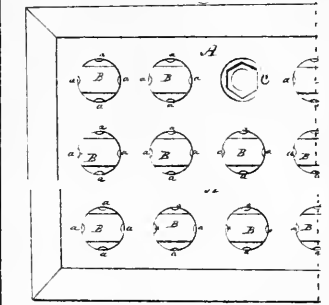
102,892, SYLVESTER W. WARREN.  
LAMP-CHIMNEYS.



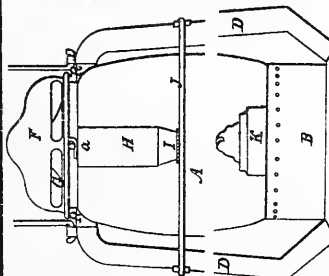
102,893, ALBIN WARTH.  
PH. HUFELAND.  
GEORG BRAUN.  
VARNISHING PENCILS. &c.



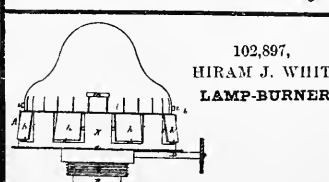
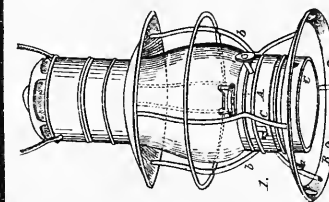
102,894, WILLIAM WEICKER. MOLDS FOR  
MAKING RUBBER PENCIL TIPS



102,895, WM. WESTLAKE. LANTERNS.

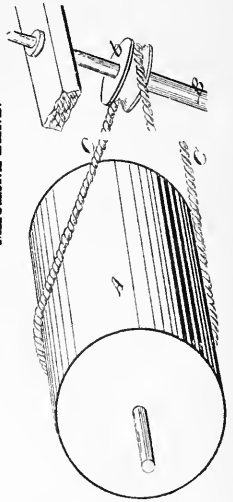


102,896, WILLIAM WESTLAKE.  
LANTERNS.

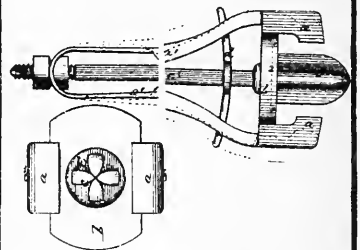


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HIRAM J. WHITE.  
LAMP-BURNERS.

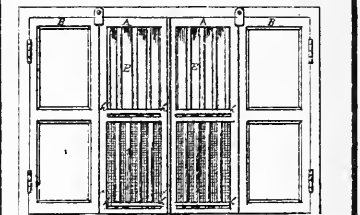
102,898, SAMUEL J. WHITTON.  
MACHINE-BAND.



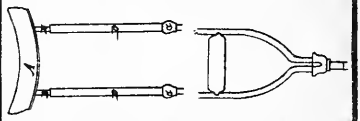
102,899, THOS. WIGHTMAN.  
SPRING CLAMP FOR GLASS-BLOWERS.



102,900, BENJN. J. WILLIAMS.  
BLIND, SCREEN, AND SHUTTER.



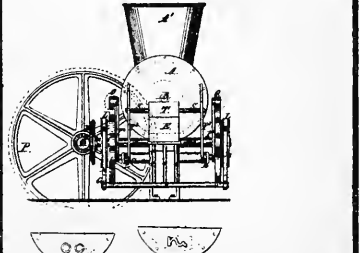
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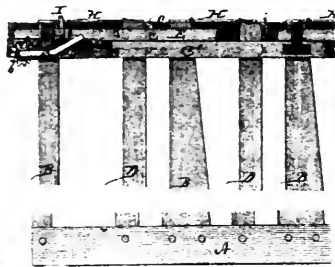


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WIRE AND STONE FENCE COMBINED

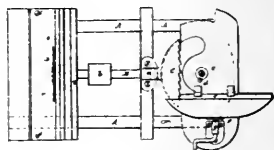
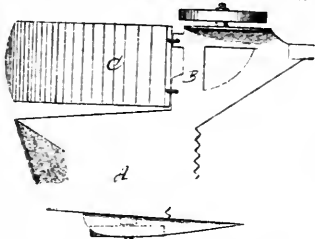
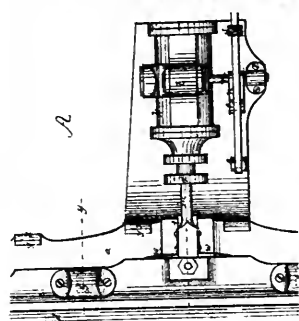


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BRICK-MACHINE

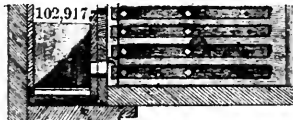
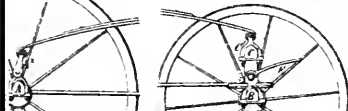
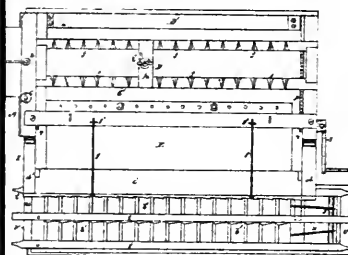
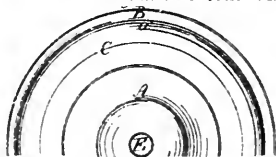
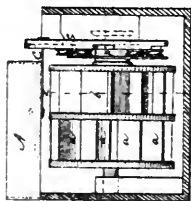
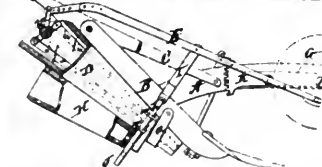


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STANCHIONS FOR SECURING CATTLE.

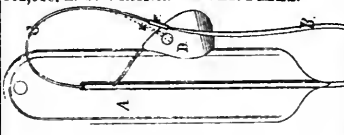
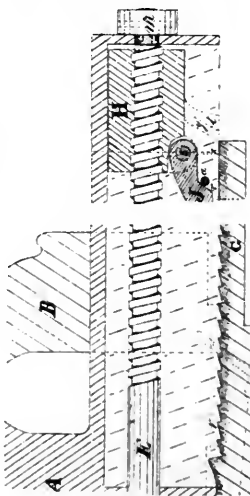
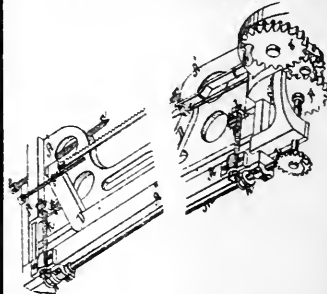
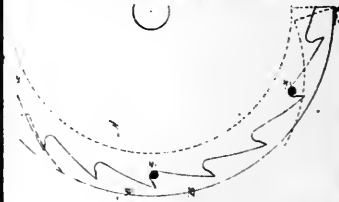
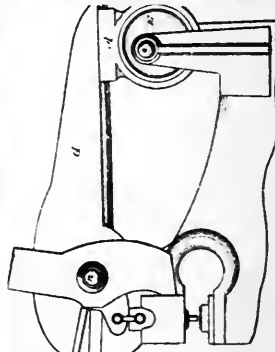
102,913. J. L. MASON. FRUIT JAR.

102,920, CHARLES HENRY DANA  
MACHINE FOR THE  
MANUFACTURE OF WOODEN TRAYS.102,914. E. P. CADY. DROPPING  
PLATFORM FOR HARVESTERS102,915. JAMES MARSHALL CALDWELL.  
GEORGE W. CALDWELL.  
INDELIBLE WRITING-FLUIDS OR INKS.102,916. ETHAN R. CHENEY. MACHINE  
FOR STRAIGHTENING BARS OF METAL.

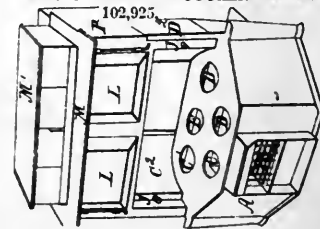
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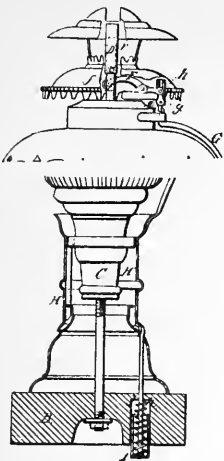
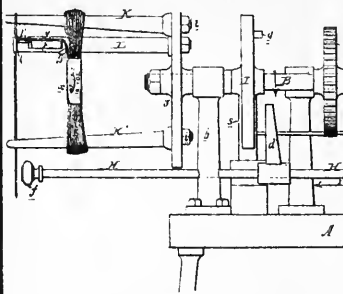
102,905. J. B. AUGUR.  
BUGGY-GEARING102,906. HAYDN M. BAKER.  
MANUFACTURE OF SOAP.102,907. LURANDUS BEACH.  
LURANDUS L. BEACH, JR.  
MACHINES FOR CUTTING,  
STAMPING, AND PACKING SOAP.102,908. CHAS. K. BRADFORD  
RAILWAY-CAR WHEEL.102,909.  
TRUMAN BRISTOL.  
WATER-WHEELS.102,910. RHODOM M. BROOKS.  
FERTILIZER-DISTRIBUTER, CORN  
AND COTTON-SEED PLANTER.102,911. H. V. BROWNING.  
COMPOSITION FOR VARNISHES. &c.102,912. J. PALMER BUDD.  
MANUFACTURE OF IRON AND STEEL.

102,918. E. J. CRANE. PAPER-FILES.

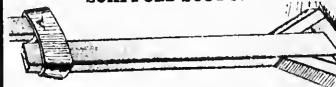
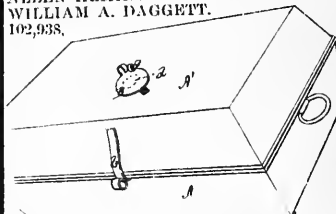
102,919. EDWIN CRAWLEY.  
THOMAS L. BAYLIES  
VISES.102,921. MARCUS E. DEAN.  
SAWING-MACHINES.102,922. P. S. DEVLIN. COMPOSITION  
FOR COATING WOOD, METAL &c.102,923. HENRY DISSTON.  
PACKING-CASE FOR SAWS.102,924. ELLIS DOTY.  
MACHINES FOR PUNCHING METAL.

B. WELLS DUNKLEE. COOKING-RANGE.

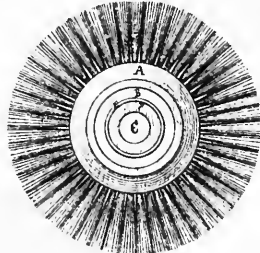
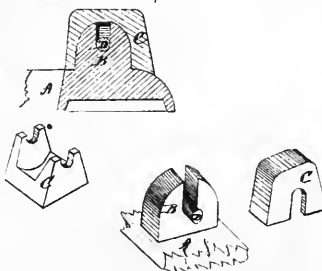
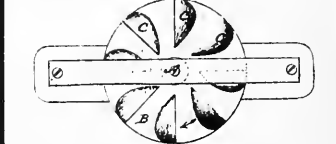
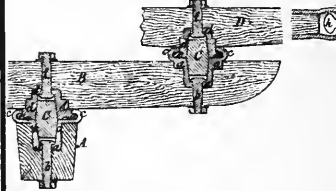
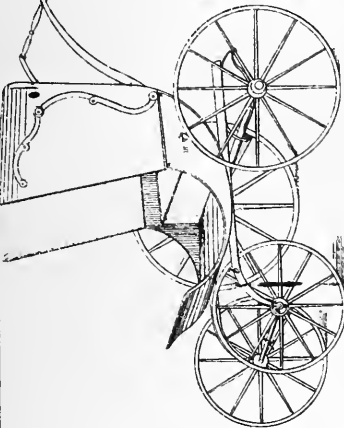
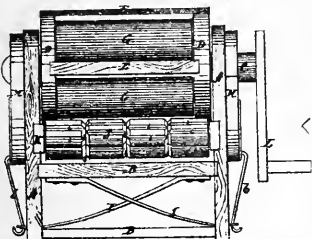
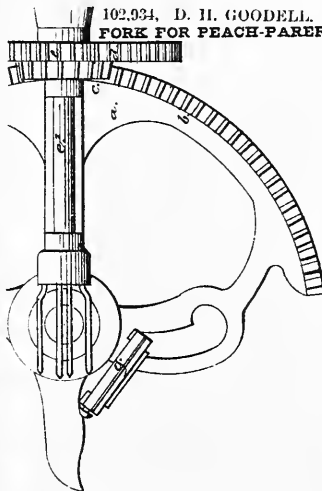
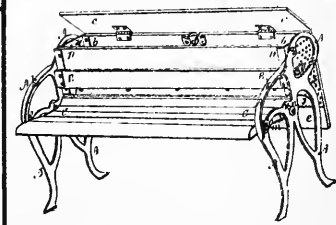
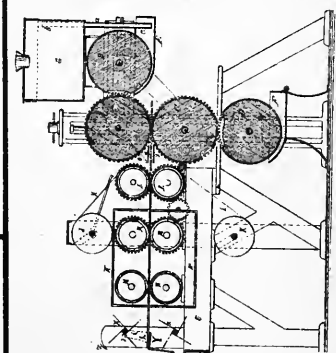
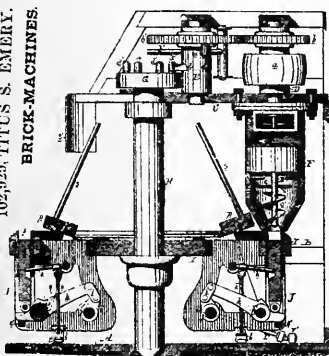


102,926, WILLIAM C. EBERT.  
LAMP-EXTINGUISHERS.102,931, GEORGE PENRICE FARMER.  
MACHINE FOR FOLDING OR WINDING  
AND MEASURING CORDS. &c.

102,936, WILLIAM S. HANCOCK. BROOM

102,937, D. B. HAY.  
SCAFFOLD-SUPPORTER.ALLEN HEMINWAY. BAKING-PAN.  
WILLIAM A. DAGGETT.  
102,938.

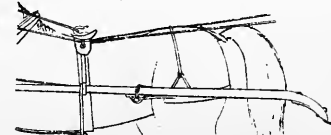
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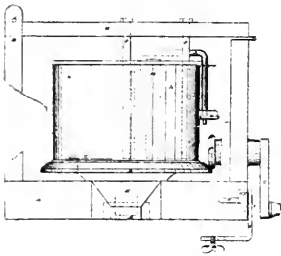
102,933, JAMES M. FIFE.  
CASTING LUGS IN STOVE-PLATES.102,939, WM. H. HUBBARD.  
WATER-WHEELS.102,940, JOSEPH INGELS.  
DOUBLE AND SINGLE-TREE  
FASTENINGS FOR CARRIAGES.102,927, ROSCOE G. ELDER.  
CHILDREN'S CARRIAGES.102,928, DANIEL ELICKER.  
WASHING-MACHINE.102,934, D. H. GOODELL.  
FORK FOR PEACH-PARERS.102,941, JOSEPH INGELS.  
SCHOOL-DESK AND SEAT.102,942, GUSTAV L. JAEGER.  
MACHINES FOR LINING  
AND DRYING PASTEBOARD. &c.102,929, TITUS S. EMERY.  
BRICK-MACHINES.

ELIJAH EVANS.

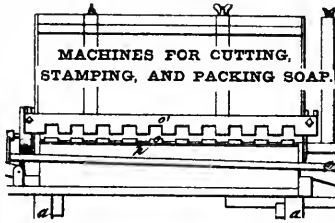
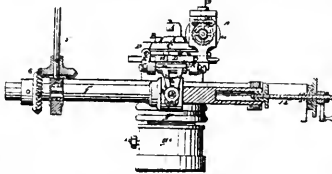
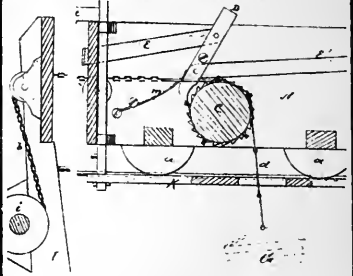
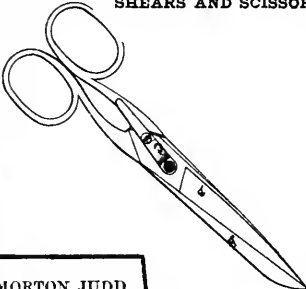
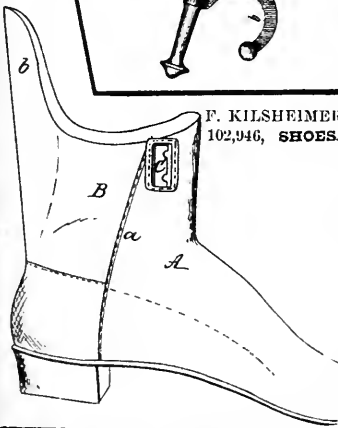
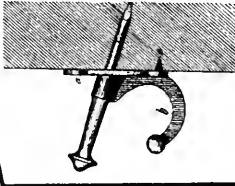
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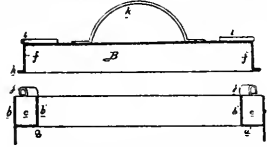
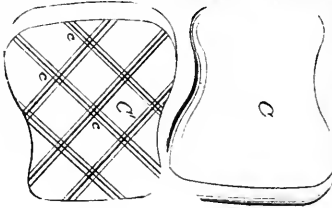
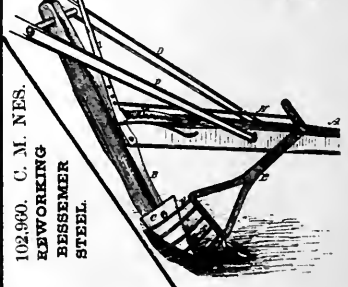
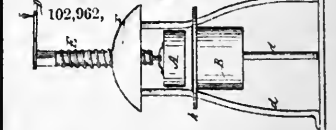
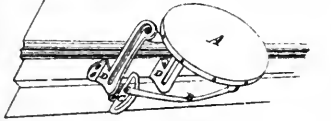
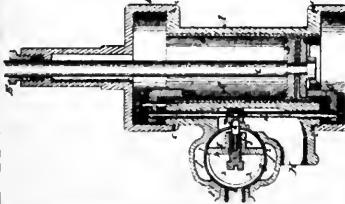
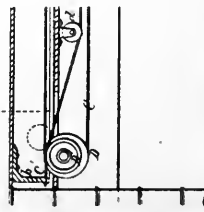
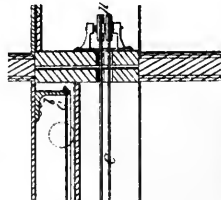
102,935, W. H. GROESBECK.  
HOLD-BACK FOR VEHICLES.

102,943, LEMUEL P. JENKS.  
BREAD-MACHINE.

102,949, CHARLES LEHMANN.

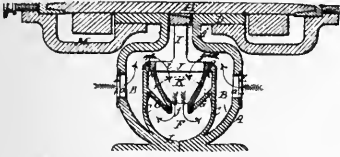
102,950, THOS. LIPPIATT. MACHINE FOR  
ENGRAVING AND  
CHASING ARTICLES OF METAL.102,955, ARCHIBALD A. McPHEETERS.  
ROBERT P. McPHEETERS.  
WATER-ELEVATOR AND CARRIER.102,944, CHARLES C. JOHNSON.  
SHEARS AND SCISSORS.MORTON JUDD.  
H. L. JUDD.  
102,945, COAT AND HAT-HOOKS.F. KILSHEIMER.  
102,946, SHOES.

102,952, STIMMEL LUTZ. FRUIT-CANS.

102,953, C. K. MARSHALL.  
HARNESS-SADDLES.102,958, ELIZA D. MURFEE.  
MATERIAL FOR PACKING  
JOURNALS AND BEARINGS.102,959, B. F. NEELY. CLOD-FENDER  
AND CULTIVATOR COMBINED.102,960, C. M. NES.  
REWORKING  
BESSEMER  
STEEL.102,961, GIDEON E. NEWCOMB.  
BOOT AND SHOE-HEEL.DOMINICK OBERGELL.  
NOODLE-MACHINE.102,963, WILLIAM PENDLETON.  
HENRY M. BOARDMAN.  
COTTON-PRESSES.102,947, DANIEL H. KRAUSER.  
COUNTER SEAT.102,948, A. D. LAWS.  
HYDRAULIC ENGINES.102,954, JAMES H. MCKERNAN.  
MODE OF OPERATING  
SHUTTERS FOR HATCHWAYS.

102,964, JOSEPH PERRAULT.

PRESSURE BLOWERS.



102,965, WILLIAM PHELAN.

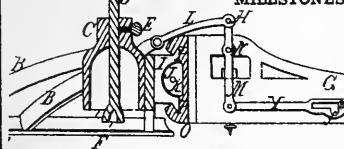
CONDENSER AND  
FEED-WATER HEATER.102,966, ZEPHANIAH PHILLIPS.  
CARPENTERS' PLANE.

102,967, HUGH M. PHINNEY.

VENTILATOR-REGISTER.

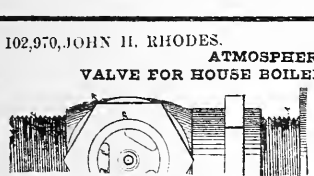


102,968, WILLIAM PICKENS.

PETER DALRYMPLE.  
MACHINES FOR DRESSING  
MILLSTONES.

102,969, JUAN POEY.

MANUFACTURE OF SUGAR.

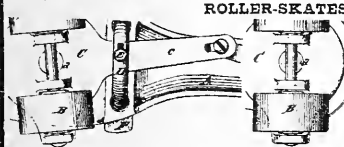


102,970, JOHN H. RHODES.

ATMOSPHERIC  
VALVE FOR HOUSE BOILERS.

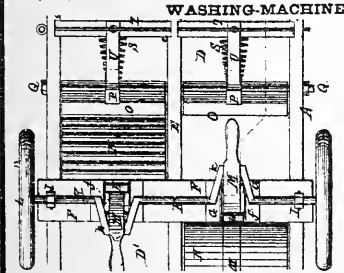
102,971, HIRAM ROBBINS.

ROLLER-SKATES.



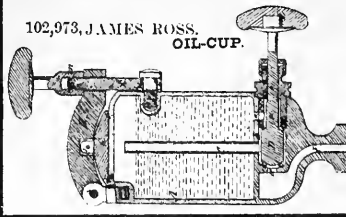
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WASHING-MACHINE.



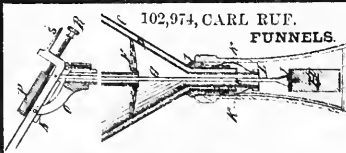
102,973, JAMES ROSS.

OIL-CUP.



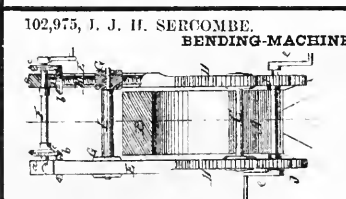
102,974, CARL RUF.

FUNNELS.



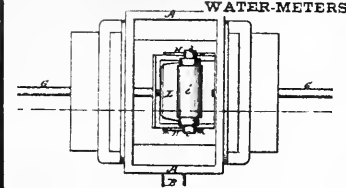
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BENDING-MACHINE.



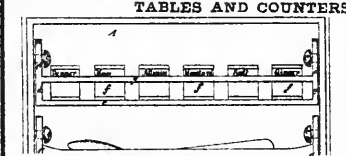
102,976, GERARD SICKELS.

WATER-METERS.



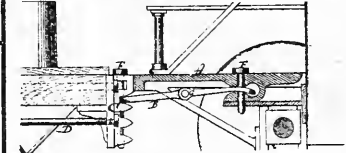
102,977, SIGMUND SIMONSON.

TABLES AND COUNTERS.



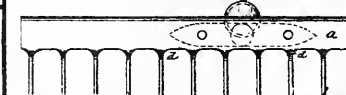
102,978, THOS. D. SIMPSON.

LOCOMOTIVE AND TENDER-COUPLING.



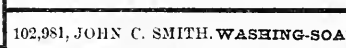
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GARDEN-RAKES.

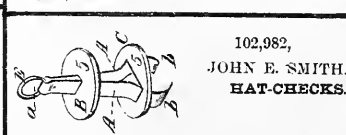


102,980 GEO. H. SMITH.

MEDICAL COMPOUND.



102,981, JOHN C. SMITH. WASHING-SOAP.

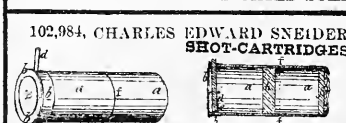


102,982,

JOHN E. SMITH.  
HAT-CHECKS.

102,983, THOS. FRANKLIN SMITH.

MEDICATED SOAP.

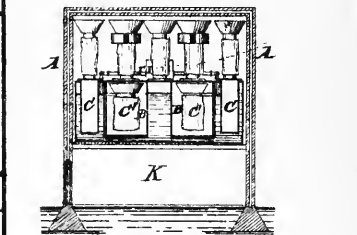
102,984, CHARLES  
EDWARD SNEIDER.  
SHOT-CARTRIDGES.

102,985, WILLIAM B. SNYDER.

VAGINAL SYRINGES.

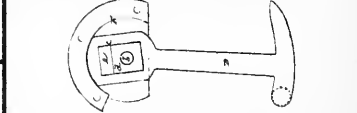


102,986, D. E. SOMES.

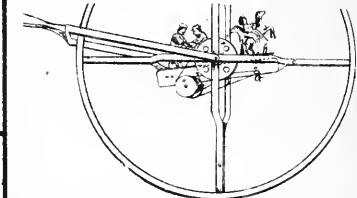
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102,988, CEBRA L. TAYLOR. TOY HOOP.

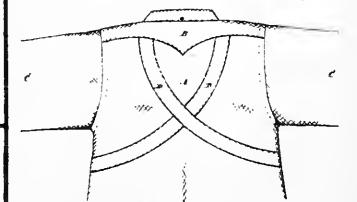


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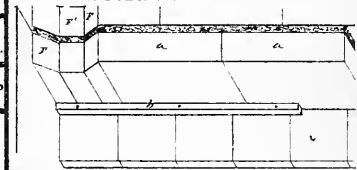


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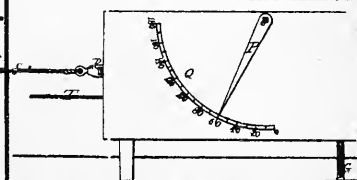
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102,992, W. B. WATKINS.

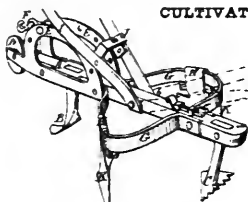
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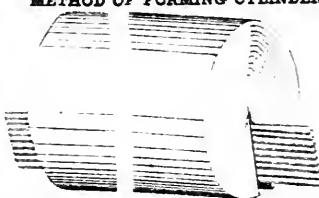
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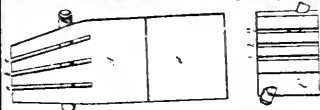


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METHOD OF FORMING CYLINDERS.

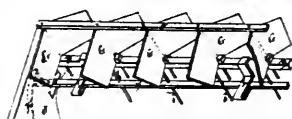


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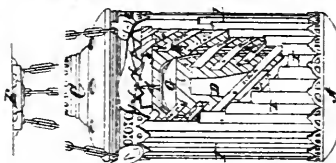
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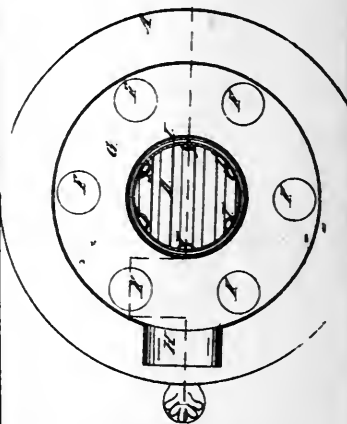
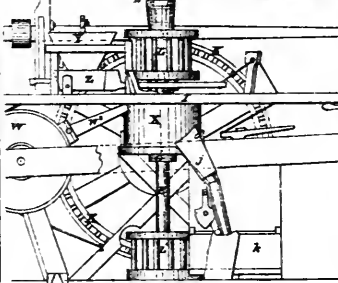
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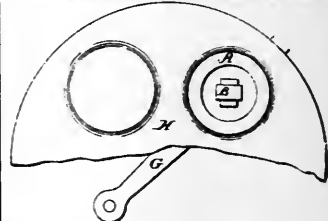


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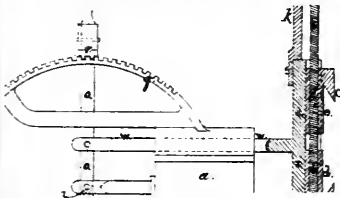


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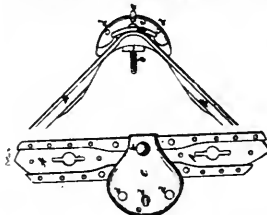
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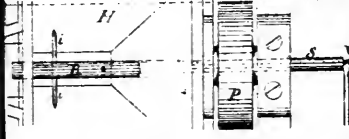
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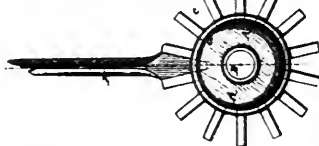
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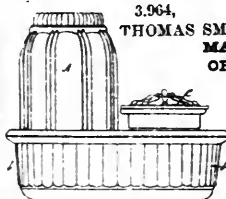


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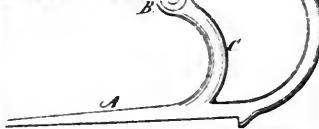
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3,964.

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102,999. STEPHEN M. WIER.

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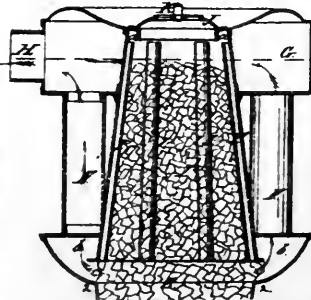
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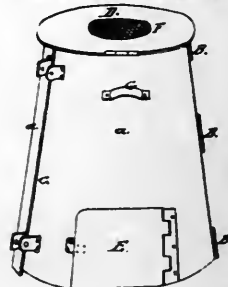
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3,968. HENDERSON WILLARD.

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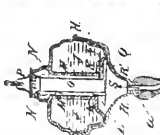
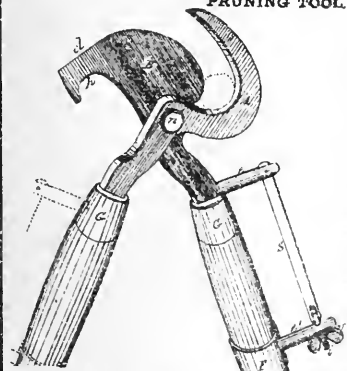
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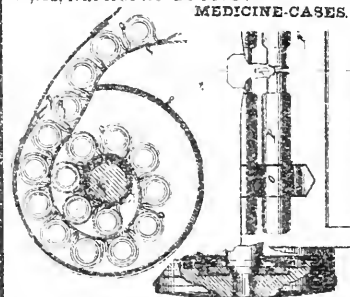
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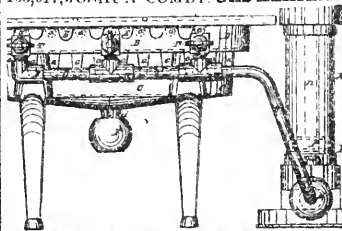
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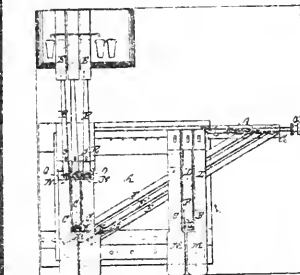
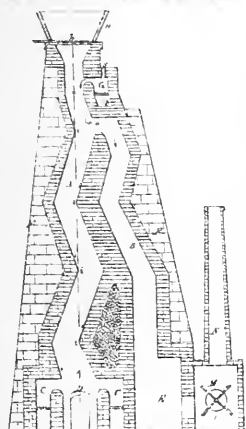
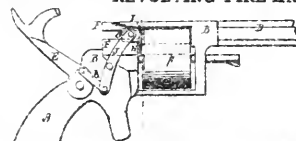
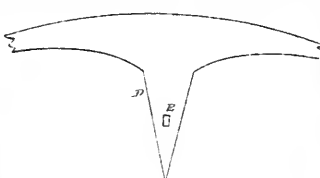
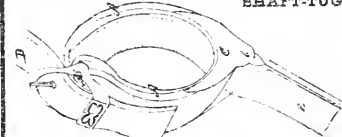


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103,018. JOSEPH J. COMSTOCK.  
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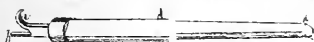
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103,003. I. P. AREY.  
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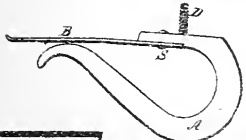
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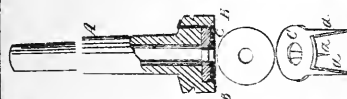
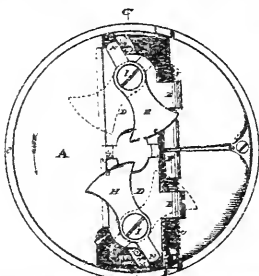
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REIN-HOOK.



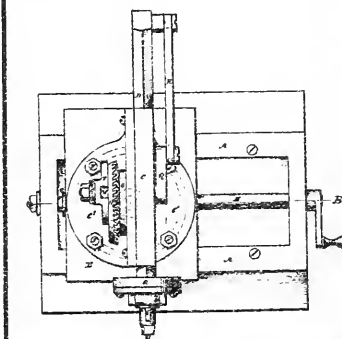
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103,015. LORING COES. AUTOMATIC  
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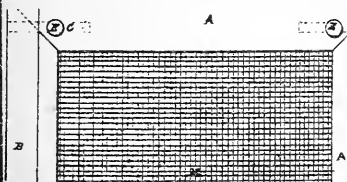
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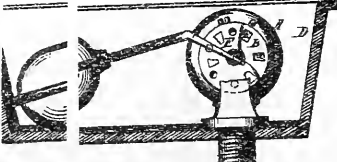
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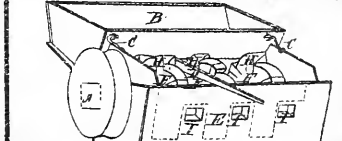
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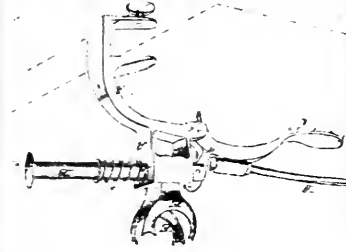


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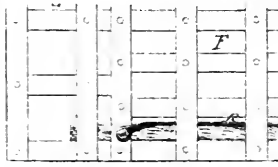
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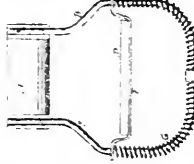
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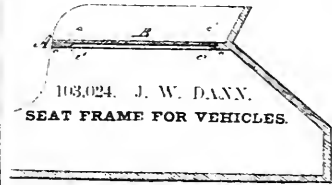
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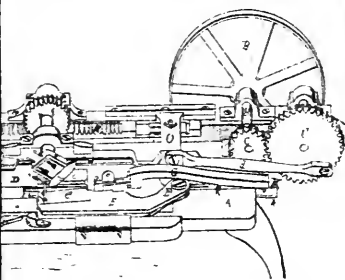
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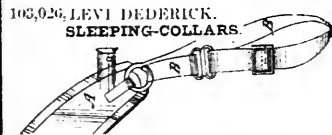
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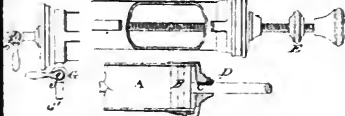
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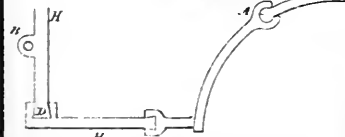
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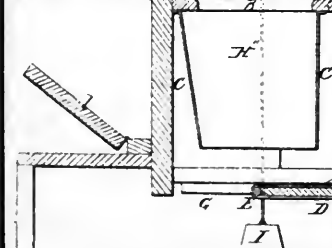
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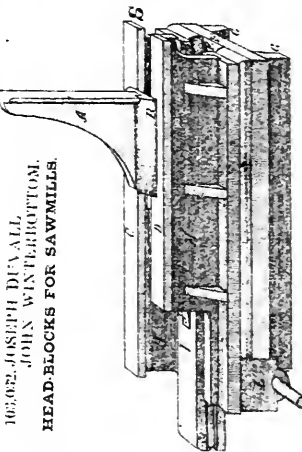
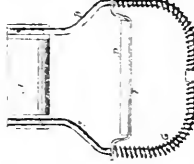
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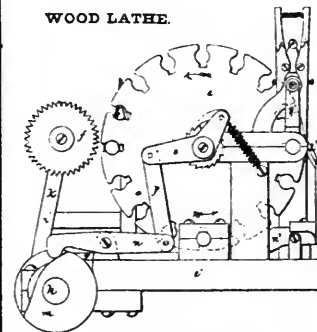
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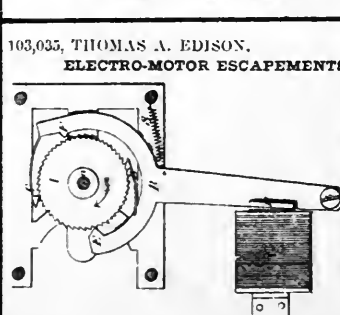
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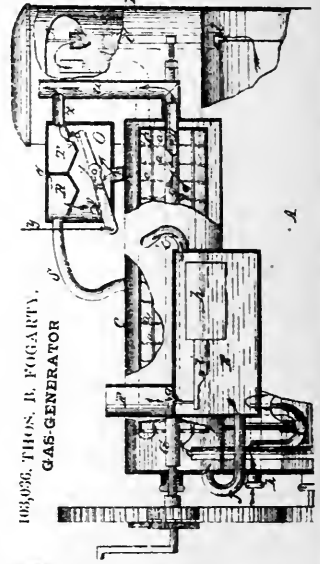
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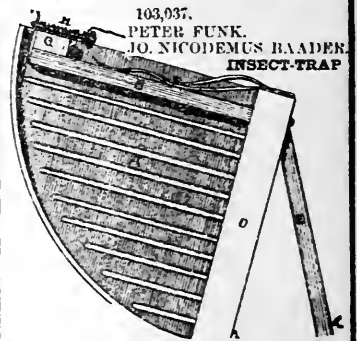
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103,035, THOMAS A. EDISON.  
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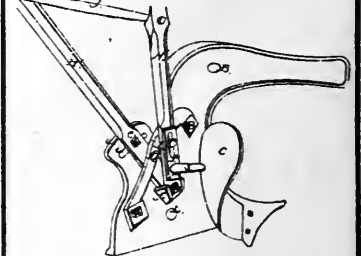


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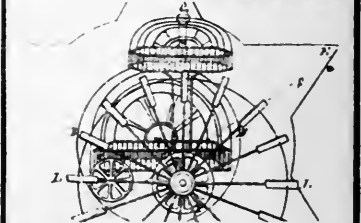
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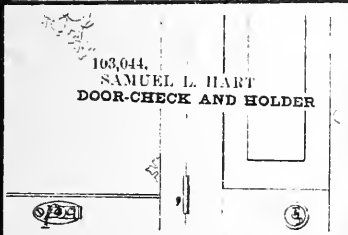
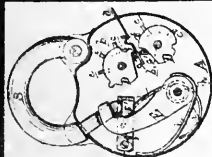
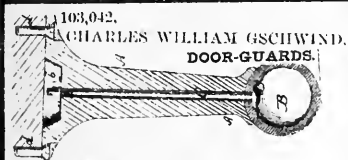
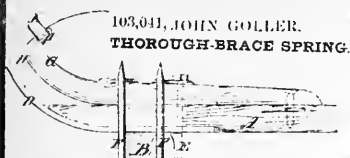


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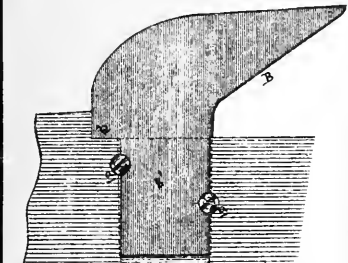


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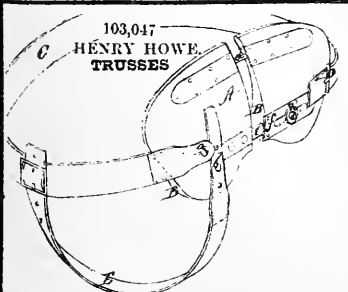
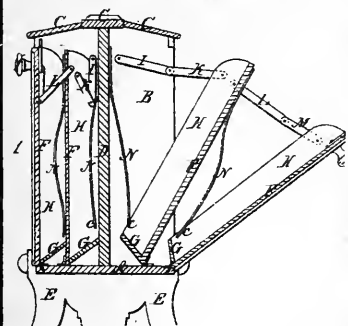
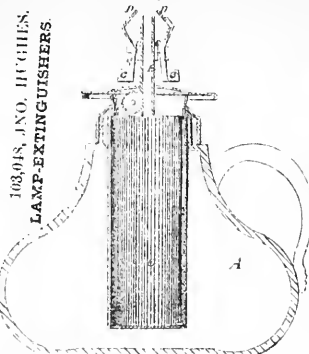
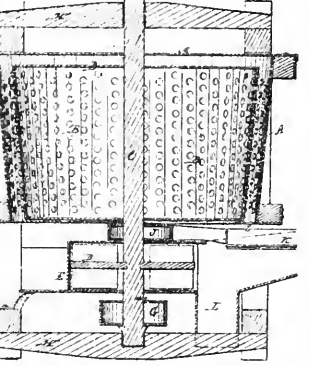
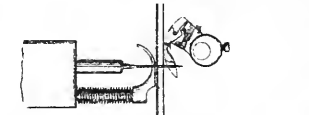
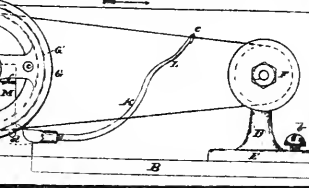
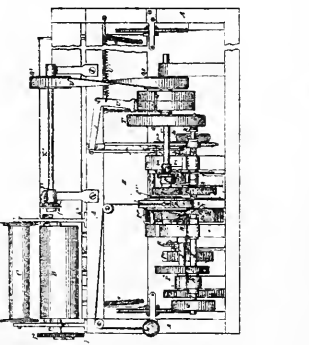
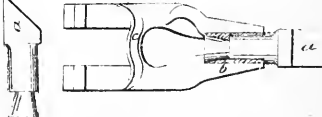
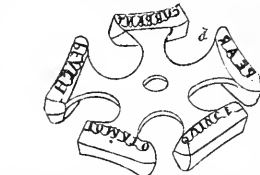
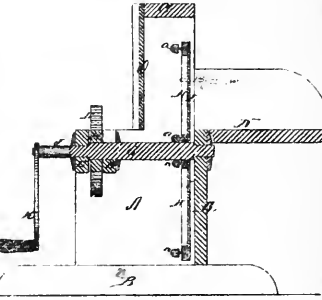
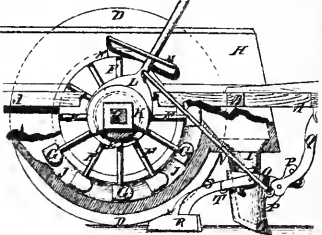
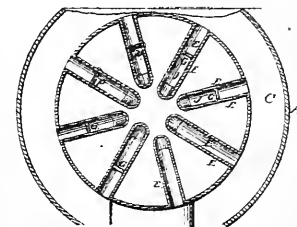




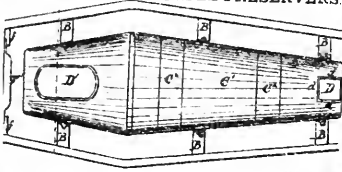
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103,046, JOHN R. HILL, MUSIC-RACK.

103,048, JNO. HUGHES,  
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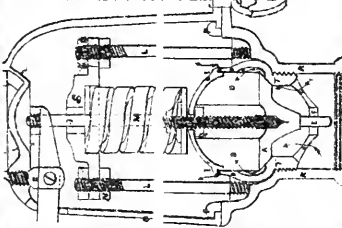
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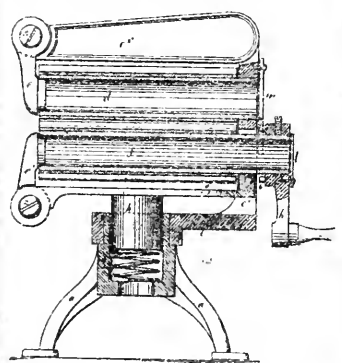
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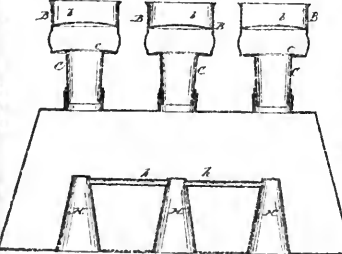
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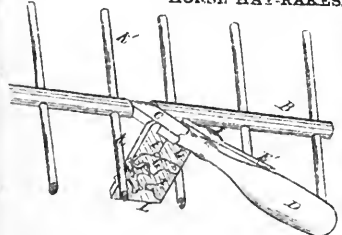
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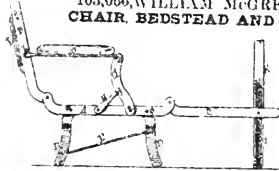
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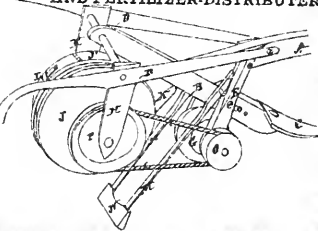
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HORSE HAY-RAKES.



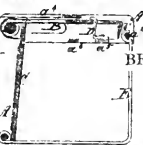
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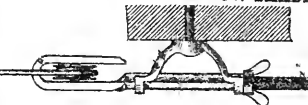
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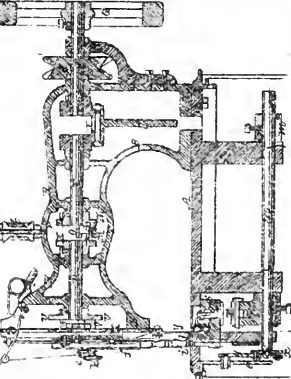
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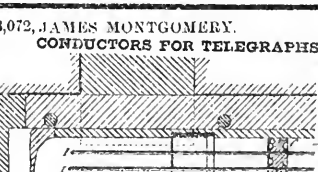
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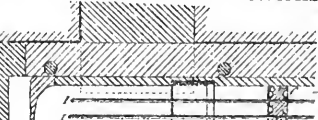
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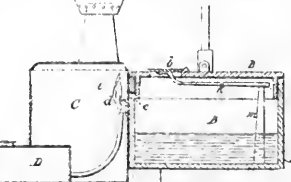
103,071, NATHANIEL MONROE.  
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103,072, JAMES MONTGOMERY.  
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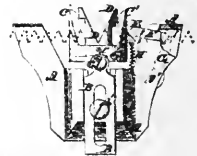


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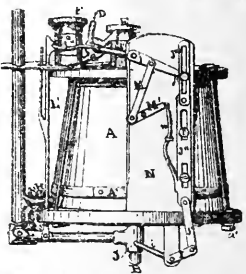


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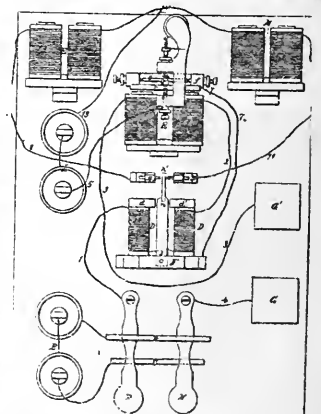
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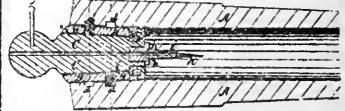
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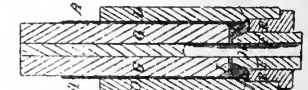
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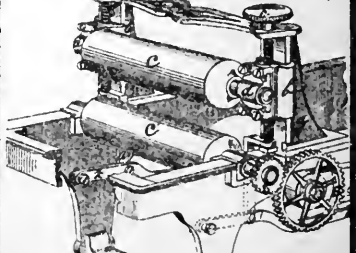
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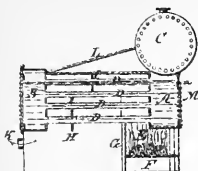
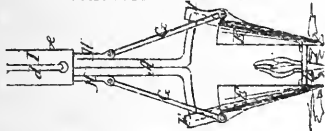
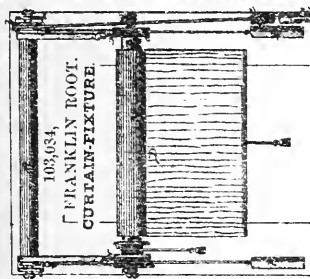
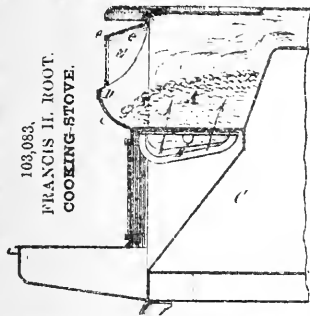
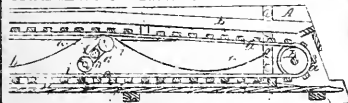
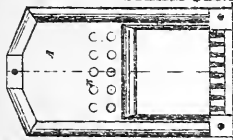
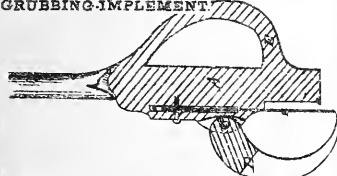
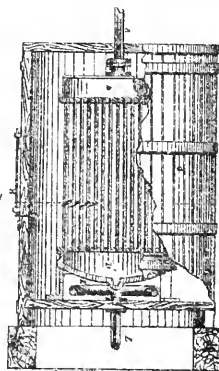
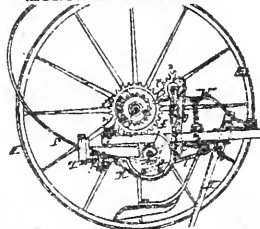
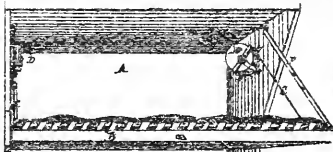
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103,080, JOHN RICHARDS.  
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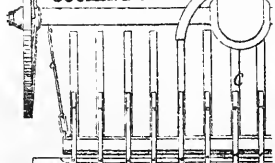
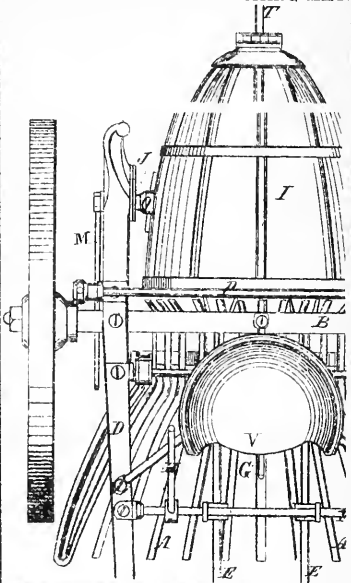
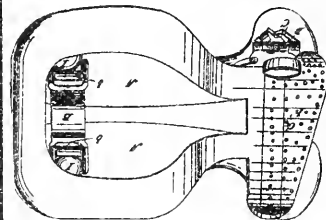
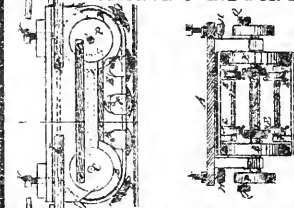




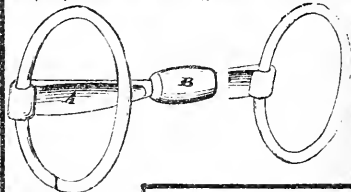
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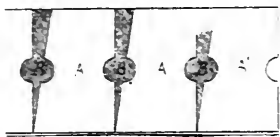
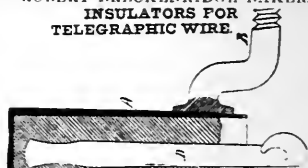
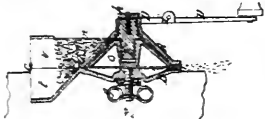
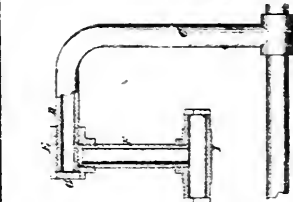
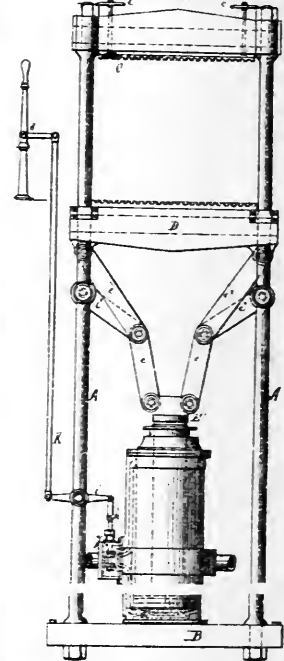
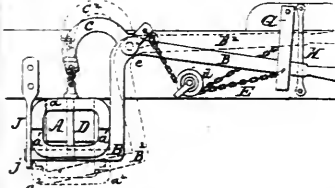
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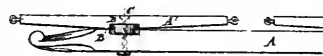
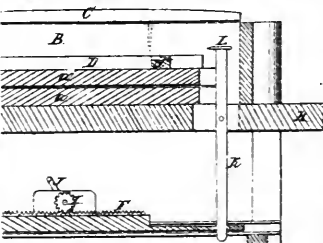
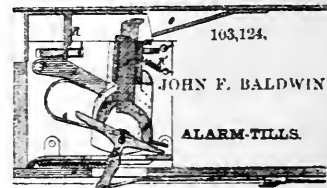
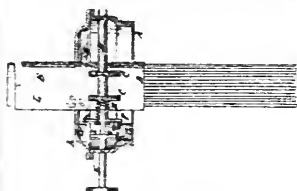
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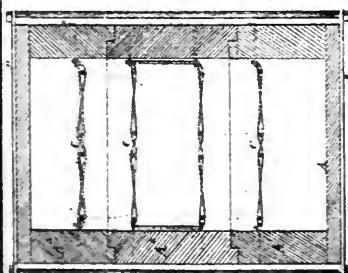
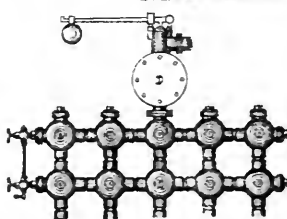
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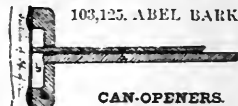
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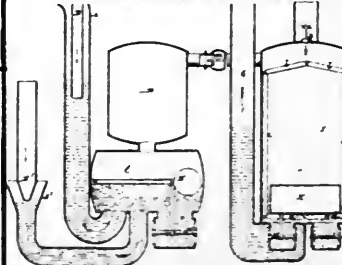
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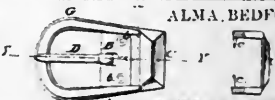
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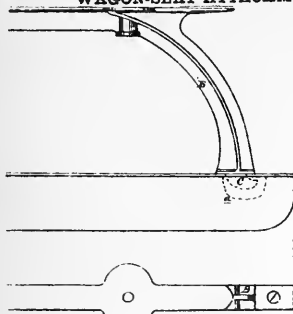
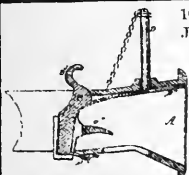
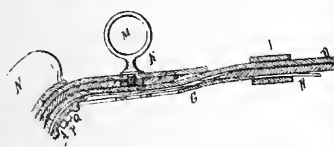
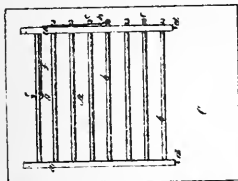
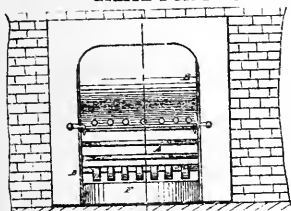
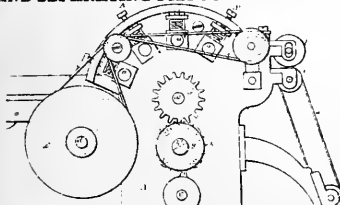
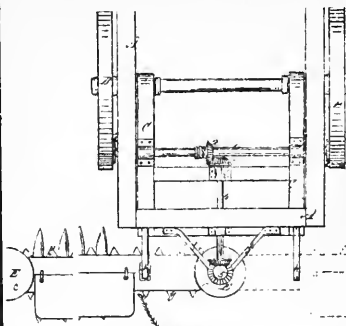
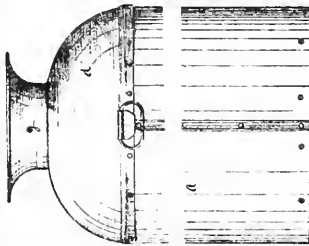
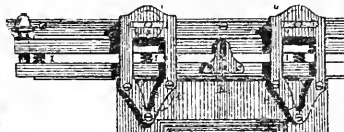
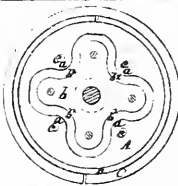
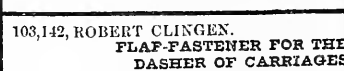
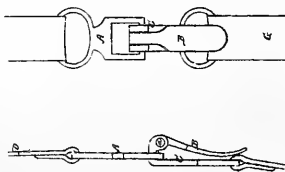
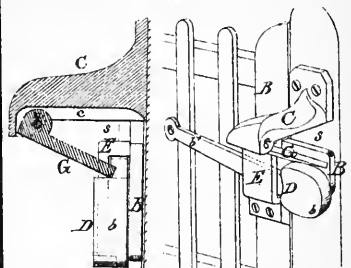
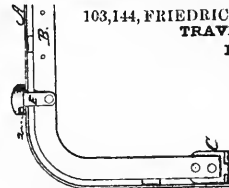
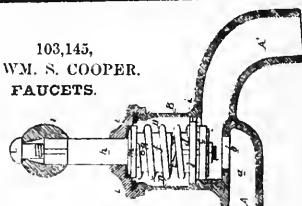
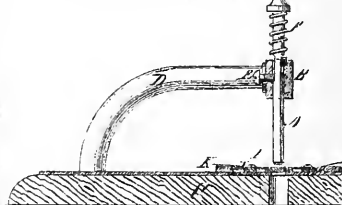
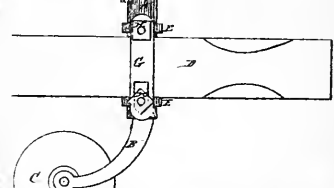
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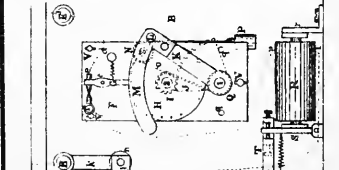


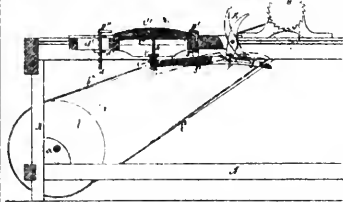
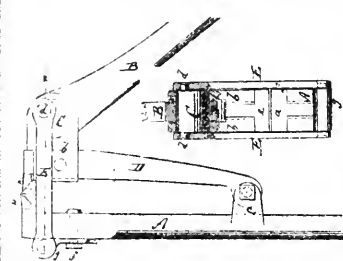
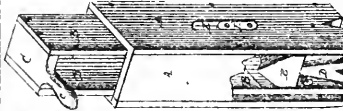
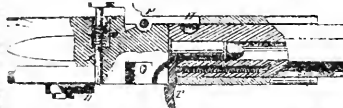
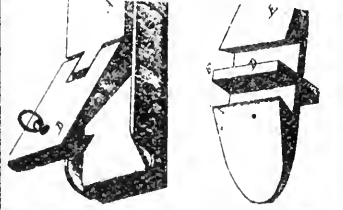
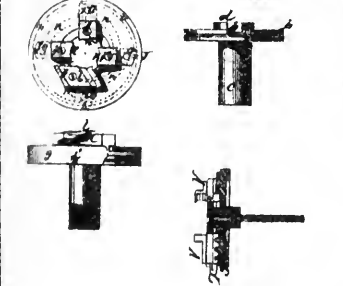
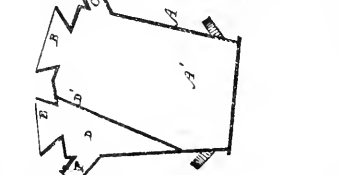
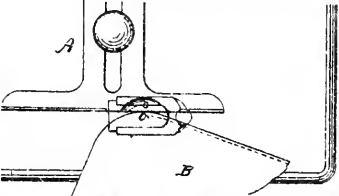
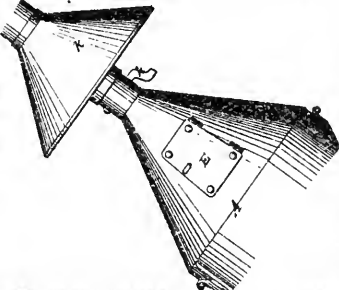
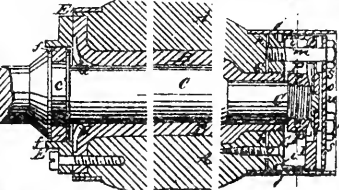
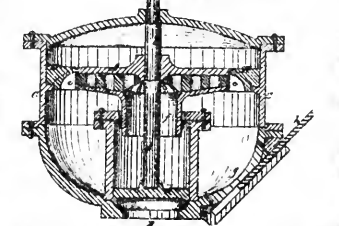
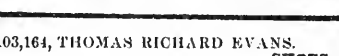
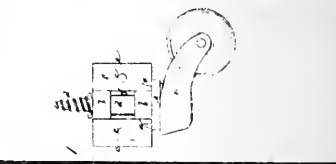
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103,112, PHILANDER WILBOR.  
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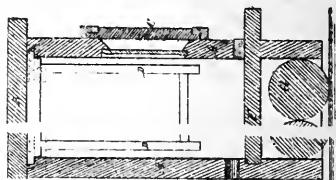
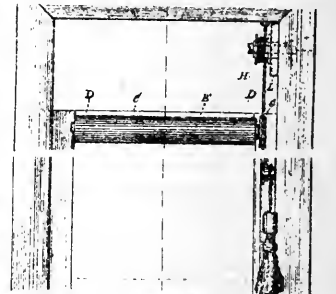
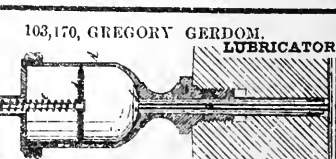
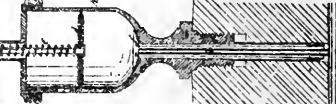
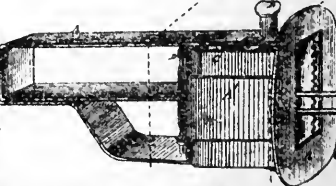
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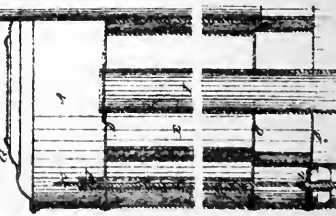
103,150, S. D. CUSHMAN. SIGNAL-BOXES  
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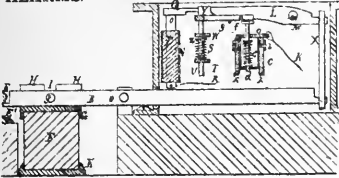
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103,173, J. M. HACKNEY. FILTERS.



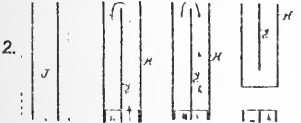
103,174. T. S. HALL.  
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103,175. RICHARD B. HAMEL.  
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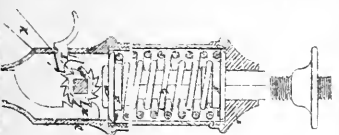


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RADIATOR FOR HEATING-FURNACES.

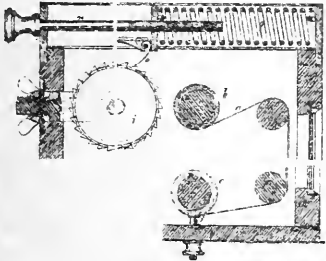


103,177. SUSPENDED.

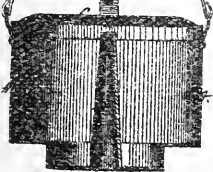
103,178. BAYLIES HATHAWAY. SPRING-  
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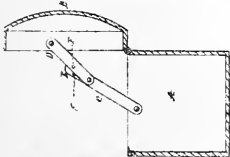
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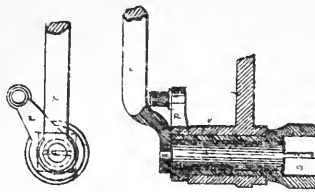
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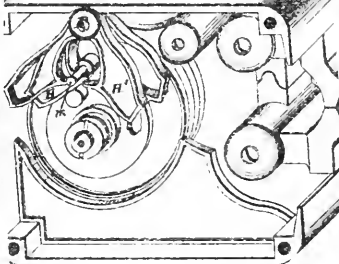
103,181. LOUIS HILLEBRAND.  
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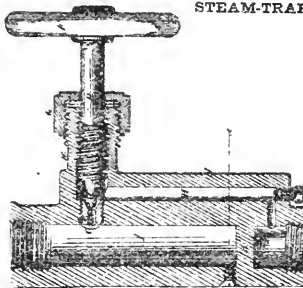
103,182. BINDLOSS H. HILLIAR.  
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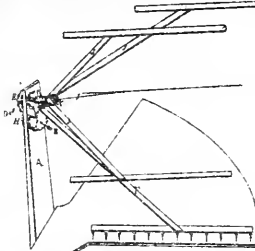
103,183. J. C. HUNTZ, JR.  
PERMUTATION LOCKS.



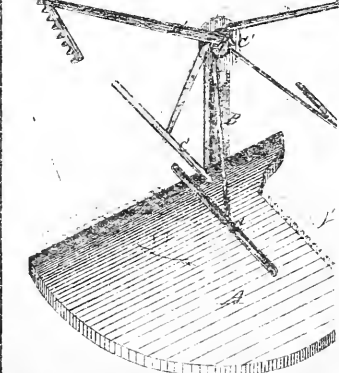
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STEAM-TRAPS.



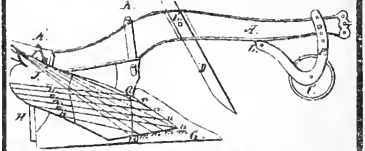
103,185. PLINY F. HODGES. COMBINED  
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103,186. P. F. HODGES  
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103,187. FREDERICK HOLBROOK.  
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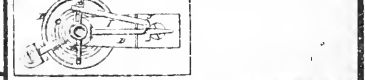
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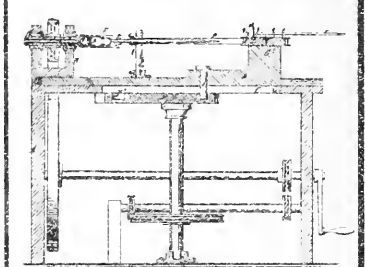
103,189. JOHN W. HOLLINGSWORTH.  
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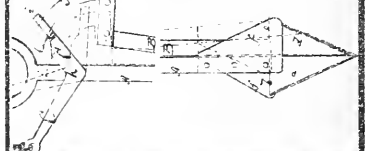
103,190. WILLIAM H. HORTON.  
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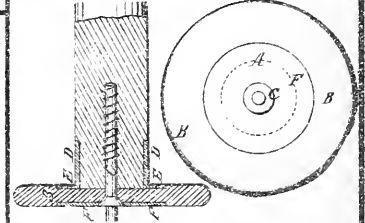
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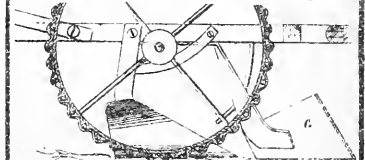
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103,193. B. JAMES. JACK-SPOOLS.

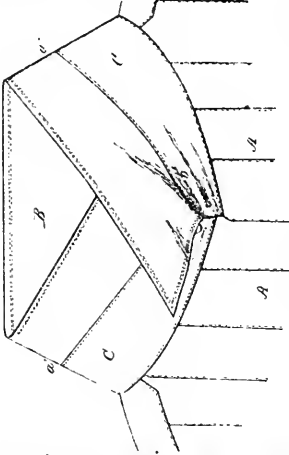


103,194. MOSES JOHNSON.  
POTATO-DIGGERS.





103,195, JAS. A. JONES.  
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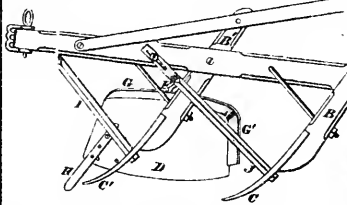


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NICKEL PLATING.

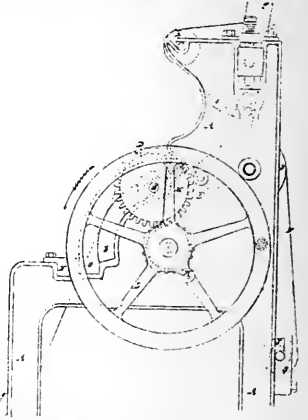
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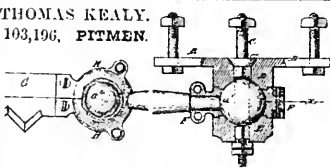
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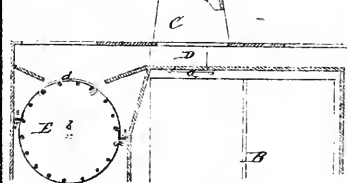
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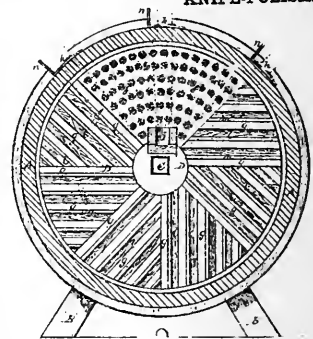
THOMAS KEALY.  
103,196, PITMEN.



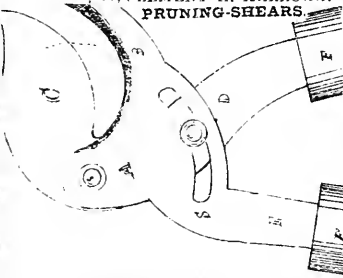
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COOKING-STOVES.



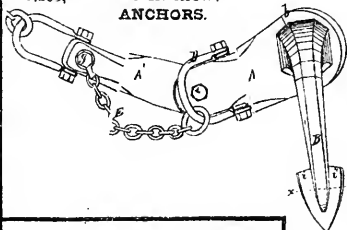
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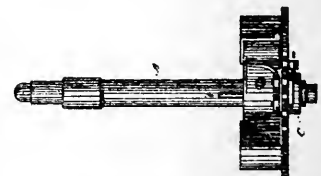
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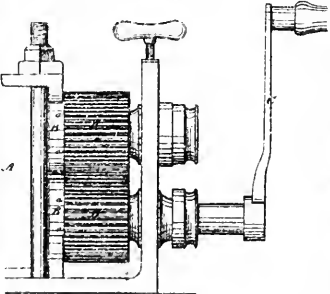
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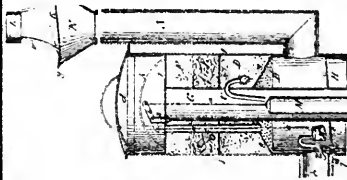
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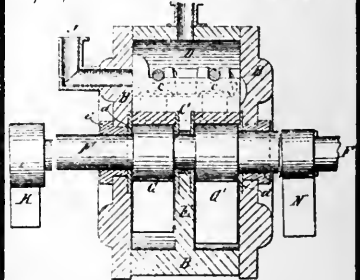
103,198, JOHN L. KENDALL.  
R. H. TRESTER.  
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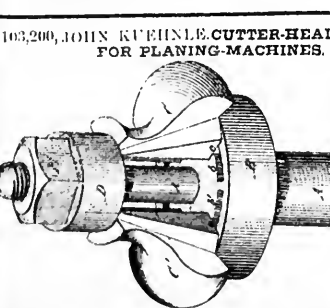
103,206, DR. N. EDWD. LEAMAN.  
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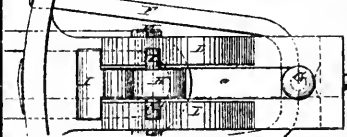
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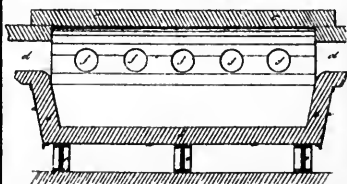
103,199, SAMUEL KINGAN  
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103,207, DR. N. EDWD. LEAMAN.  
CAR-COUPLING.



103,208, GEORG LEUFFGEN.  
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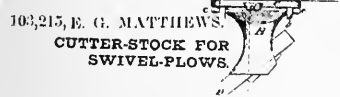
103,213, WM. D. LUDLOW.  
LAMP-BURNERS.



103,214, ALFRED MARR.

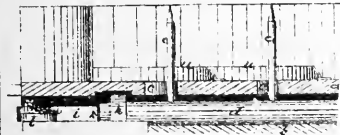
VARNISH FOR SURFACING RAILWAY  
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103,215, E. G. MATTHEWS.

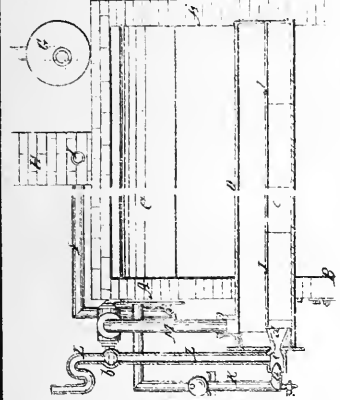
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103,217, EDWIN R. McCALL.

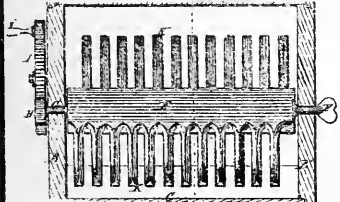
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103,218. E. P. MCCARTHY.

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CHURN-DASHERS.



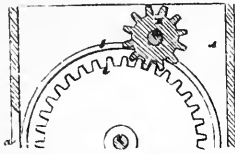
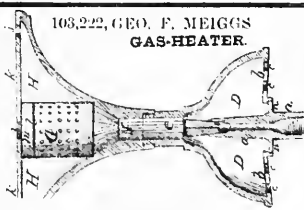
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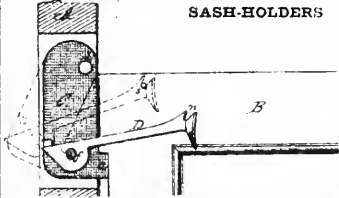
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COUNTING-REGISTER

103,222, GEO. F. MEIGGS  
GAS-HEATER.

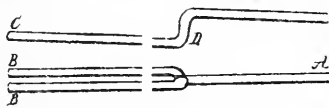
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SASH-HOLDERS



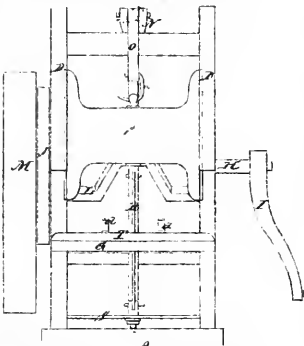
103,224, SARAH E. MERSELAU.

FLUTING-TONGS



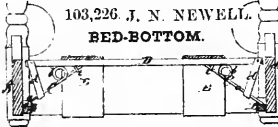
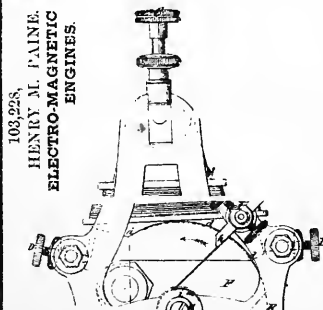
103,225, P. ANDREW MYERS.

SAWING-MACHINES.

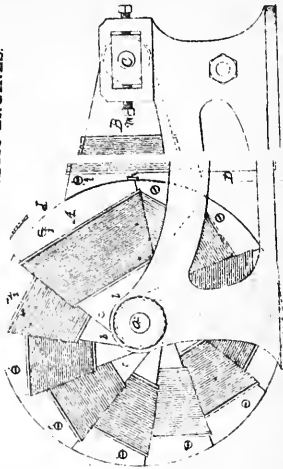


103,226, J. N. NEWELL.

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103,227, GEO. J. PACK, PREPARING  
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103,228,

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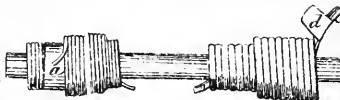
103,230, HENRY MONROE PAINE.

ELECTRO-MAGNETS.



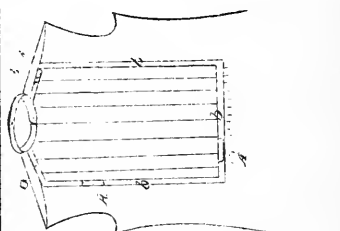
103,231, HENRY M. PAINE.

CONSTRUCTION OF ELECTRO-MAGNETS

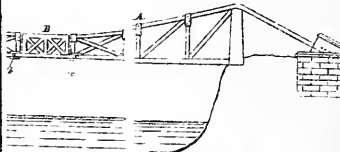
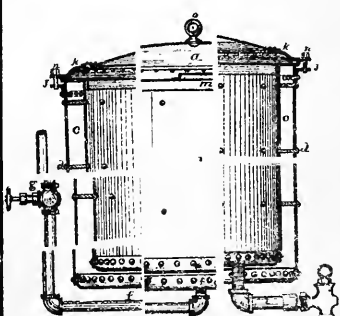


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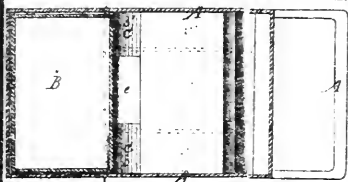
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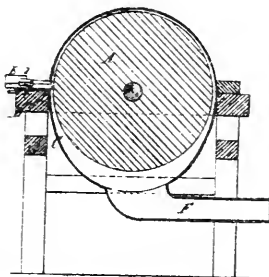
103,233, CHAS. H. PARKER. BRIDGES.

103,234, JAS. WILLARD PATTERSON.  
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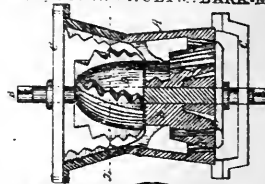
103,235, ALEXANDER G. PATTON.  
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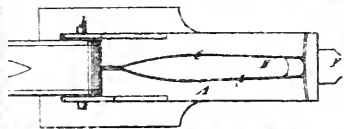
103,241, PHILIP SCHRAG. MACHINES  
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103,246, ROBT. H. SHULTIS. BARK-MILLS.



103,236, ADOLPH PEARL.  
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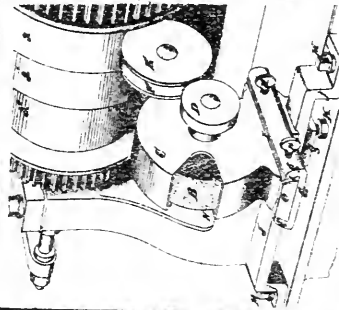
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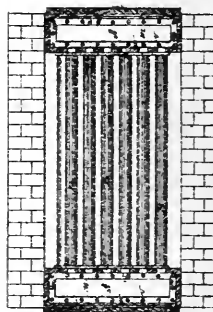
103,237, JULIUS P. PFAU.  
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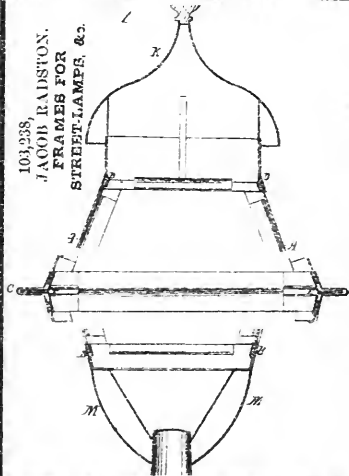
103,242, JAMES SHAUGHNESSY. TOOL-  
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103,248, WILLIAM P. SKIFFINGTON.  
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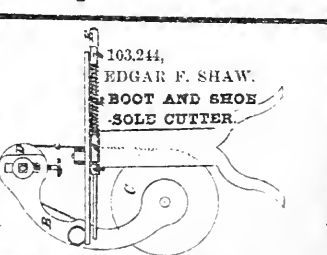
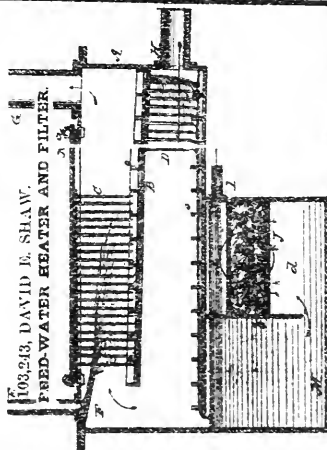
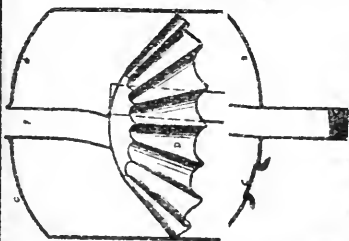
103,238, JACOB RAUSTON.  
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103,249, CHARLES I. SKOW.  
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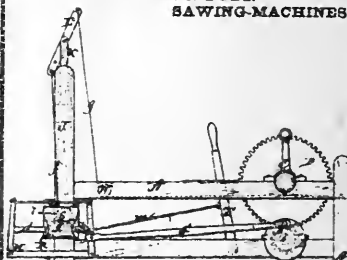


103,239, JOHN EDWARD ROBINSON.  
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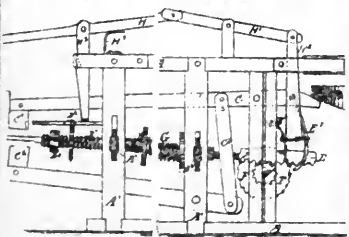


103,244, EDGAR F. SHAW.  
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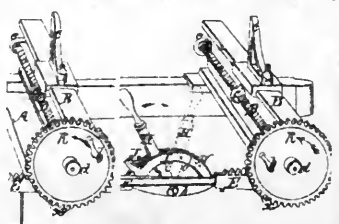
103,250, OLIVER C. SMITH.  
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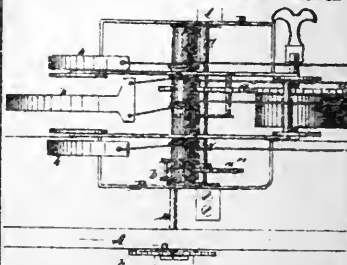
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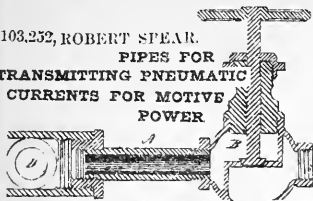
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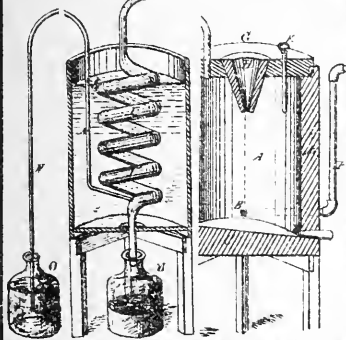
103,251, THOMAS H. SMITH.  
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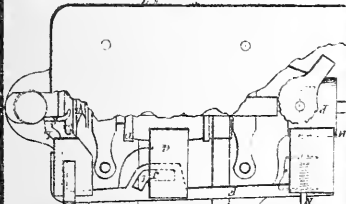
103,252, ROBERT SPEAR.  
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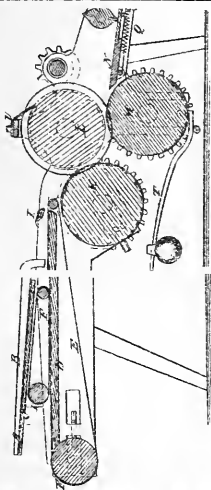
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103,254, LEVI W. STOCKWELL.  
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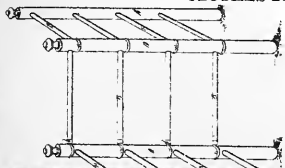
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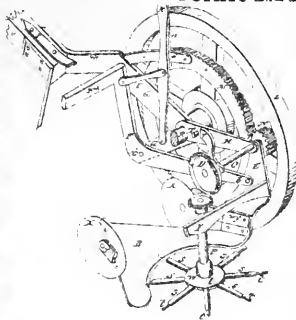
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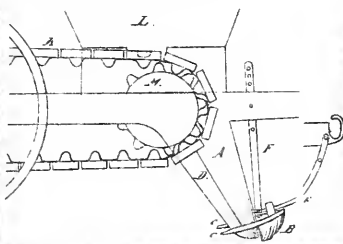
103,257, JOHN NAPOLEON VALLEY.  
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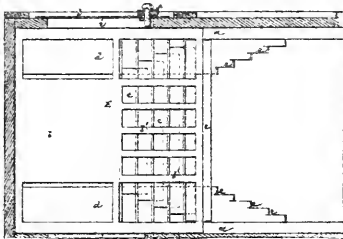
103,258, CORNELIUS VAN DERZEE.  
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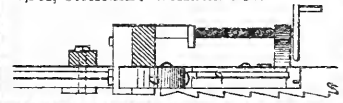
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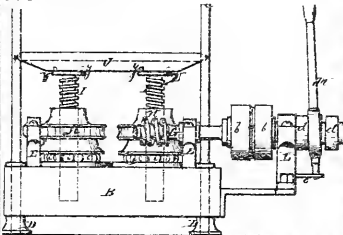
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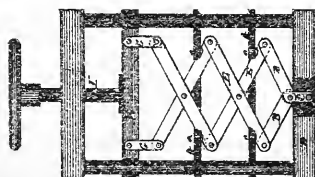
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103,262, C. H. WESTON AND J. DENNIS.  
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103,263, CHARLES H. WESTON.  
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103,264, LEWIS WHITEHEAD.  
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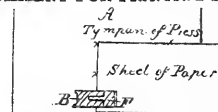


103,265, EDWIN F. WHITNEY.  
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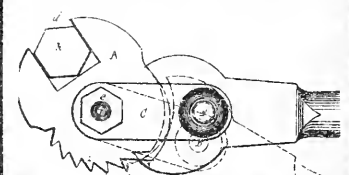


103,266, CHARLES D. WILLIAMS.  
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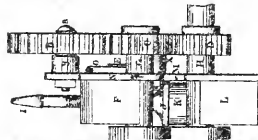
103,267, HENRY WILLSON. EMBOSSEING-  
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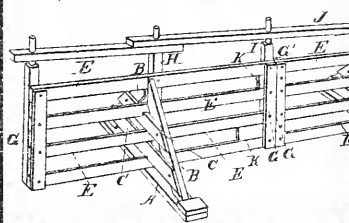
103,268, WALTER F. WOLFKIEL.  
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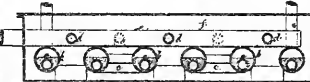
103,269, GEORGE C. WRIGHT.  
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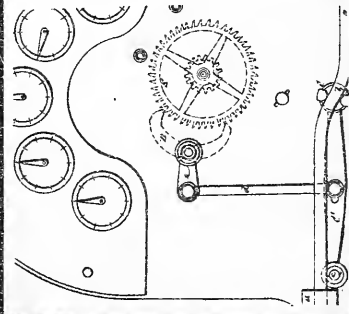
103,270, WILLIAM P. WRIGHT. FENCES.



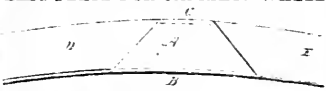
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103,272, WILLIAM YORKE.  
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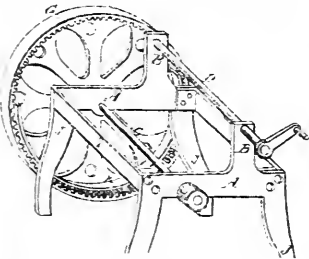
103,273. F. B. MORSE.  
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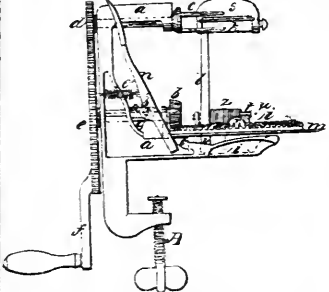
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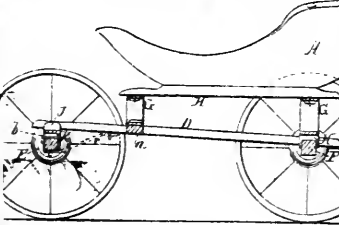
3,969. DANIEL ARMSTRONG. MACHINES  
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3,970. ASAHEL G. BATCHELDER.  
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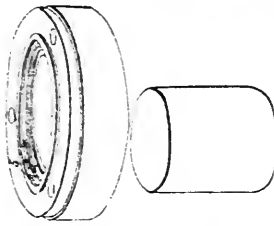
3,971. B. P. CRANDALL.  
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3,972. WM. E. CRANDALL.  
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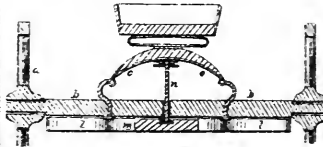
3,973. WM. H. HALSEY.  
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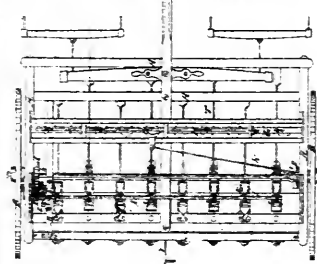
3,974. WM. H. HALSEY. NEW ARTICLES  
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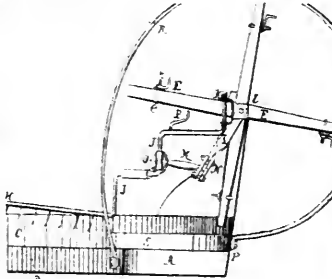
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J. H. DODGE.



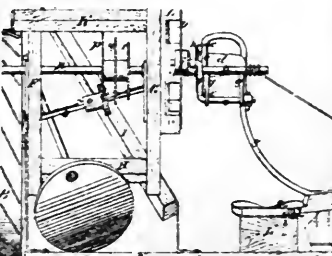
3,976. JOSEPH INGELS. GRAIN-DRILLS.



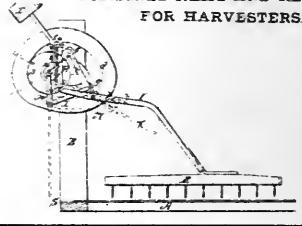
3,977. C. H. AND L. J. McCORMICK.  
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3,978. C. H. AND L. J. McCORMICK.  
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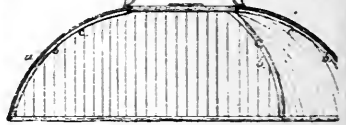
3,979. McCLINTOCK YOUNG, JR.  
C. H. McCORMICK.  
L. J. McCORMICK.  
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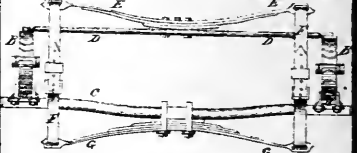
3,980. CHARLES W. REEDER.  
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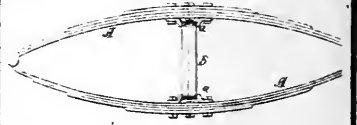
3,981. WM. G. SCHMIDLIN.  
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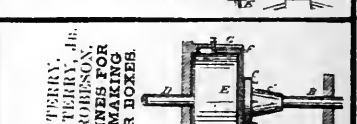
3,982. CHARLES SHEA.  
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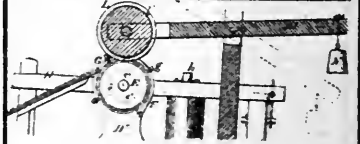
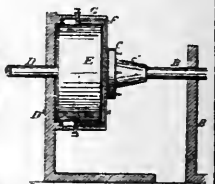
3,983. CHARLES SHEA.  
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3,984.  
CHARLES SHEA  
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3,985.  
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3,986. E. W. VAILL. FOLDING CHAIR.





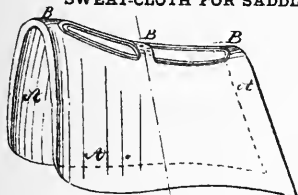
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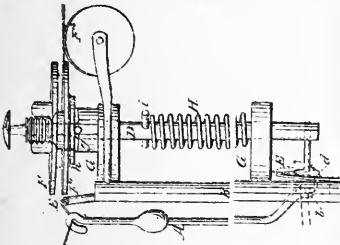
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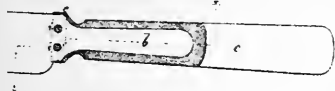


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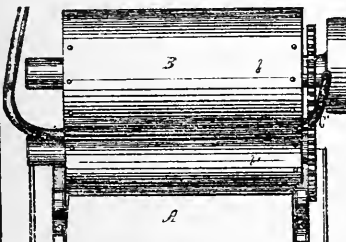
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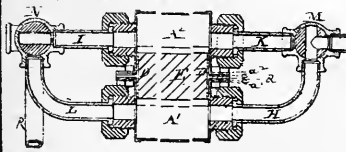
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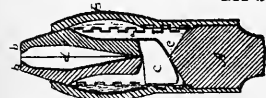
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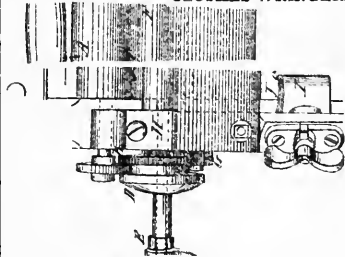
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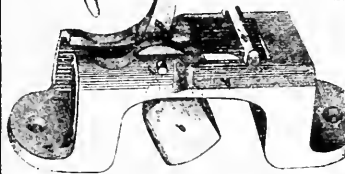
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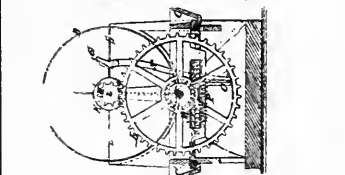
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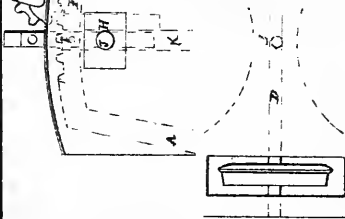
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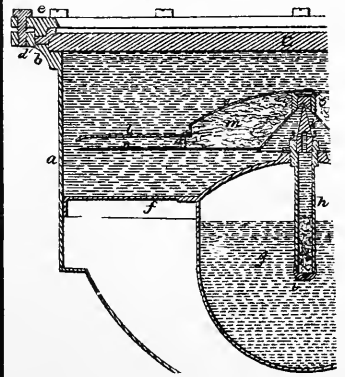
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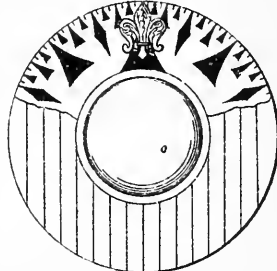
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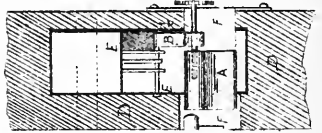
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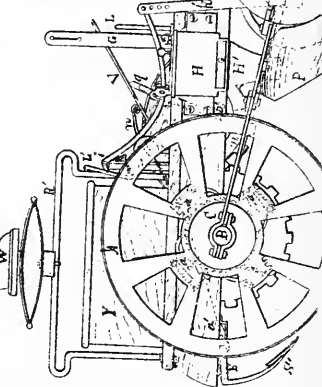
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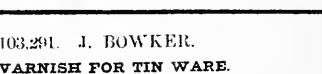
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103,289, ISAAC BOGART.  
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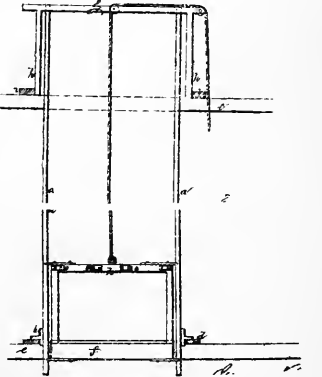


103,290, JAMES BOWKER.  
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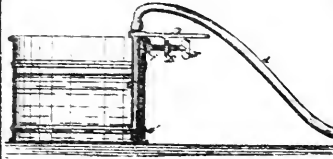
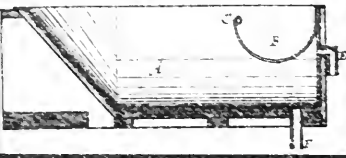


103,291, J. BOWKER.  
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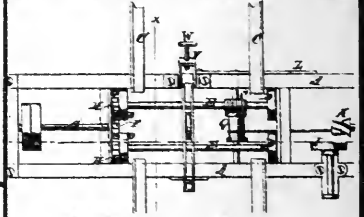
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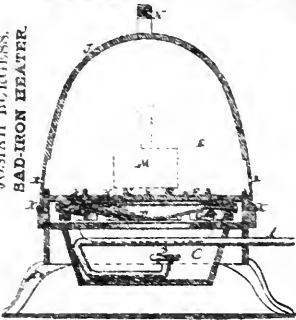
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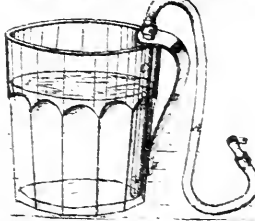
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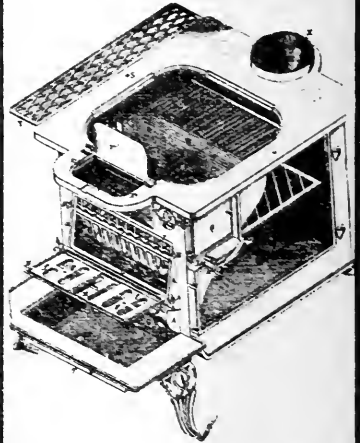
103,294,  
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103,300, EUGENE CHAPIN.  
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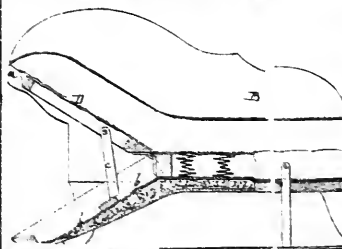
103,306, W. C. DAVIS.  
J. W. GARRISON.  
COOKING-STOVE



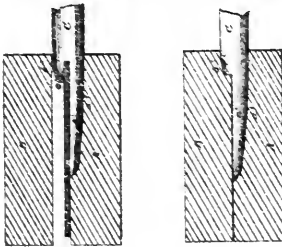
103,295, FREDERICK BURGHARDT.  
ADJUSTABLE COUPLING FOR  
JOURNALS, AXLES.



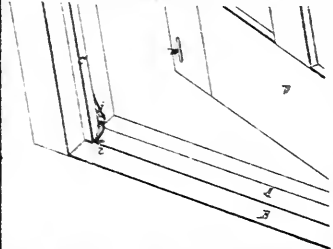
103,301, WM. H. COLLEY. LOUNGE



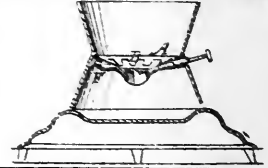
103,296, LEANDER BURNS.  
DIE FOR FORMING CARRIAGE-STEPS.



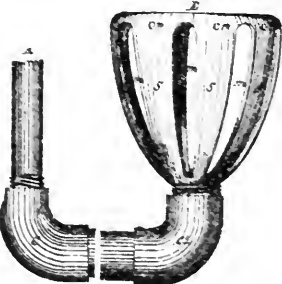
103,302, ERASTUS G. COVEY.  
ADDISON BIRCH.  
WEATHER-STRIPS FOR DOORS.



103,307, PRICE DEMPSEY. STOVE-GRADE.



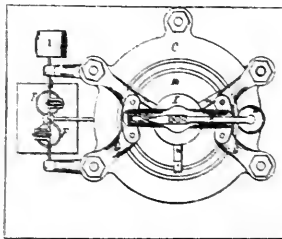
103,297, CALVIN C. BURT  
GAS-HEATER



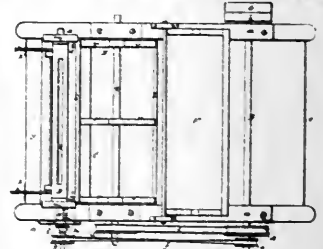
103,308, CASPER DITTMAN. NUT-LOCK.



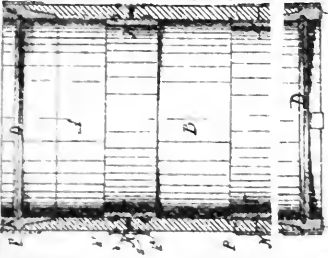
103,303, HARRY A. CROSSLEY.  
MACHINES FOR  
BEVELING AND CROZING BARRELS.



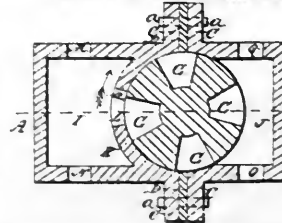
103,309, GEO. F. DOCKHAM.  
MACHINES FOR BURRING  
WOOL &c. ON THE SKIN



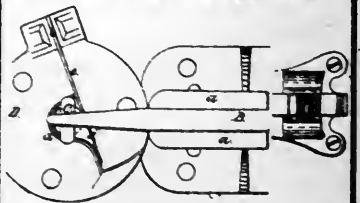
103,298, EBENEZER H. CADY. BARREL.



103,304, H. C. CROWELL. ROTARY  
INJECTOR FOR STEAM-BOILERS.

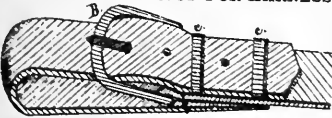


103,310, JAMES DOTY.  
ASA H. DOTY.  
TOWING-HOOKS FOR CANAL-BOATS.



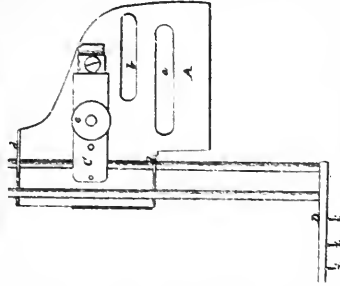
103,299, EUGENE CHAPIN.  
DRINKING-TUBES FOR INVALIDS

103,311, GEORGE L. DU LANEY,  
JAMES S. HUSTON.  
LOOP FOR HARNESS

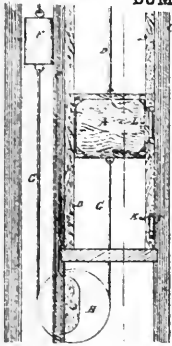


103,312, A. K. EATON.

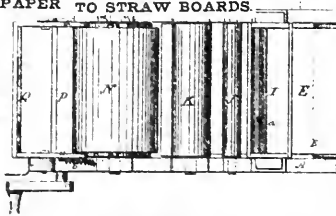
TOOLS AND WHEELS FOR CUTTING  
AND POLISHING IRON, STEEL,  
AND OTHER MATERIALS



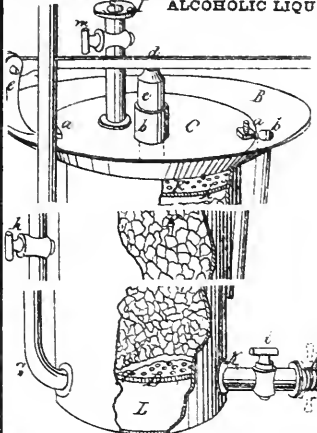
103,313, WILLIAM H. ELLIOTT.  
DUMB-WAITER



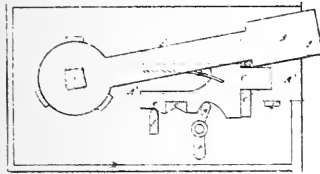
103,319, M. FITZGIBBONS.  
MACHINE FOR ATTACHING THIN  
PAPER TO STRAW BOARDS



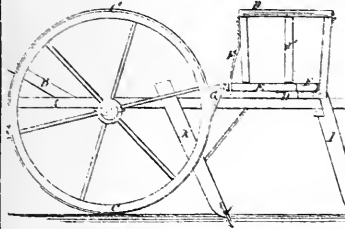
103,320, CH. L. FLEISCHMANN.  
APPARATUS FOR RECTIFYING  
ALCOHOLIC LIQUORS



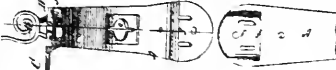
103,314, M. PROCTOR FAVOR. LATCHES



103,315 JOHN G. FETZER.  
CORN-PLANTERS.

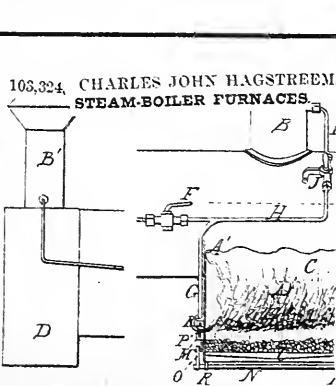


103,321, CONRAD GAHR.  
PAD-PLATE FOR HARNESS



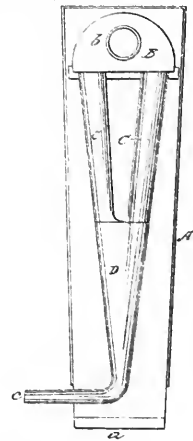
103,322. CANCELED.

103,323, JOHN D. GREY.  
MANUFACTURE OF SHEET-IRON.

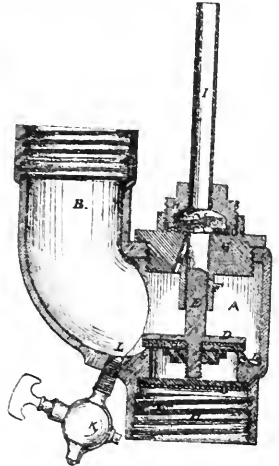


103,324, CHARLES JOHN HAGSTREEM.  
STEAM-BOILER FURNACES.

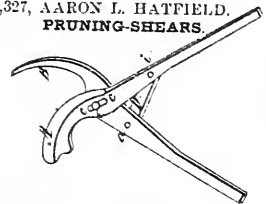
103,325, JOHN G. HANNING.  
ANTI-FREEZING DEVICES FOR PUMPS.



103,326, JOHN HARRISON,  
CALEB LOW.  
CONDENSER FOR STILLS.



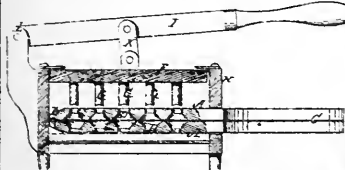
103,327, AARON L. HATFIELD.  
PRUNING-SHEARS.



103,316, J. BENTLEY FIELD.  
SHUTTER-FASTENERS.

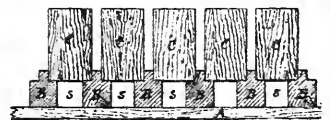


103,317, CHAS. A. FISHER.  
CHERRY-STONER

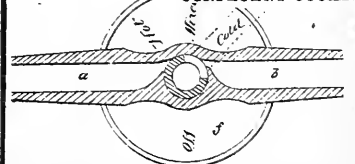


103,318, HART A. FISHER.  
GATHERING ATTACHMENT  
FOR SEWING-MACHINES.

103,328, HERMAN HAUP.  
WOOD-PAVEMENT.



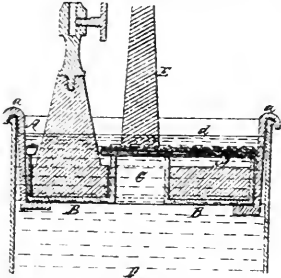
103,329, J. H. G. HAWES.  
CONFLUENT COCKS.



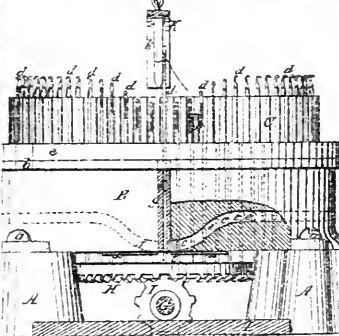
103,326, ALBERT HEUSSER.  
BOX-OPENERS.



103,331, JOSEPH HILL.  
GALVANIC BATTERIES.



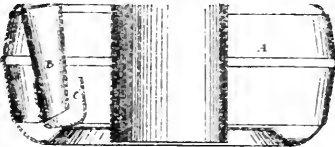
103,332, WARREN S. HILL.  
KNITTING-MACHINE.



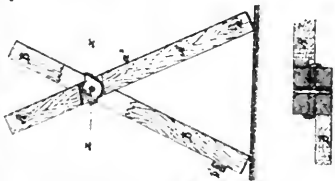
103,333, CHARLES HOLLMANN.  
LAYING MALTING-FLOORS.



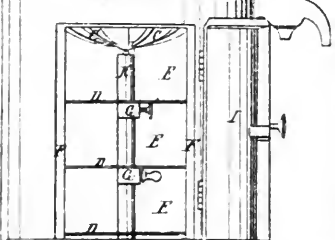
103,334, MARK W. HOUSE.  
FEED-TRAP FOR LAMPS.



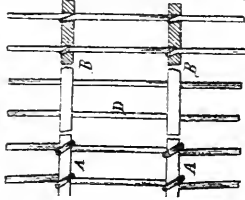
103,335, LEONARD D. HOWARD  
SAW-BUCKS.



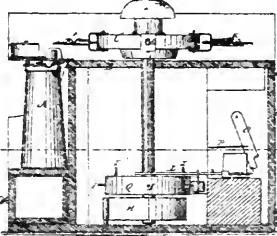
103,336, FRANCIS W. HUNT  
REFRIGERATOR.



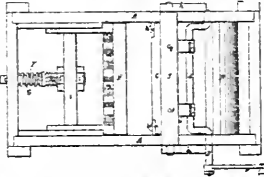
103,337, JAMES S. HUSTON  
FLY-NETS FOR HORSES.



103,338, J. B. IRWIN, LAMP-LIGHTER,  
AND BURLAR AND FIRE-ALARM.

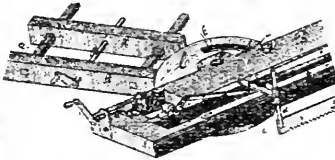


103,339, JOSEPH JOHNSON.  
WASHING-MACHINE.

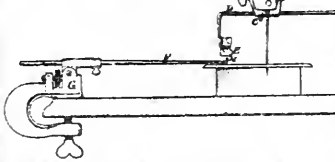


103,340, W. R. JOHNSTON  
MANUFACTURE OF CITRIC ACID.

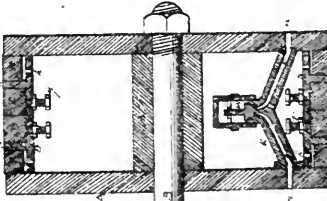
103,341, F. C. JONES, MITER-MACHINE.



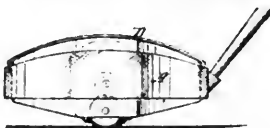
103,342, JAMES FRANKLIN KELLOGG.  
TUCK-MARKER  
FOR SEWING-MACHINE.



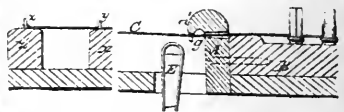
103,343, ORLANDO KELSEY.  
PISTON-PACKING.



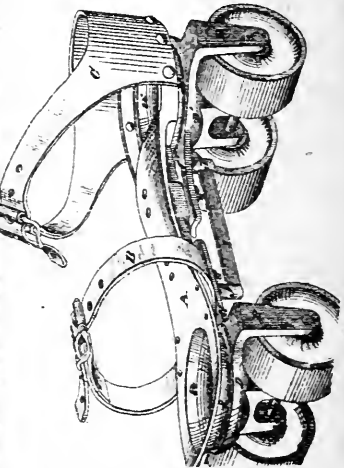
103,344, A. J. KNIGHT.  
GUARD FOR CARPET-SWEEPERS.



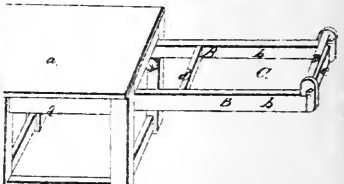
103,345, CHRISTIAN KURTZMANN.  
PIANOS.



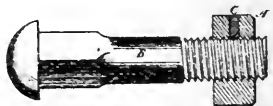
103,346, JOHN LEMMAN.  
PARLOR-SKATES.



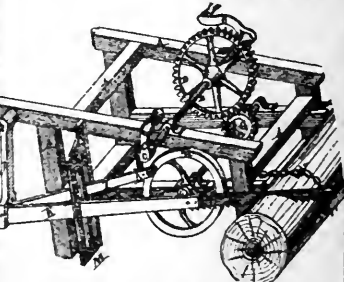
103,347, M. LEPP, SAW-TABLES.



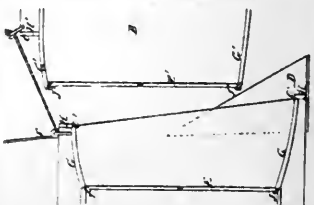
103,348, EDWIN T. LIGON, LOCK-NUT.



103,349, BENJAMIN LITTLE,  
JOHN B. LUNDBERG.  
SAWING-MACHINE.

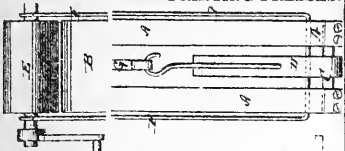


103,350, W. GRAYSON MANN.  
TUBULAR SUBMARINE VIADUCTS.



103,351, C. C. MAURICE.

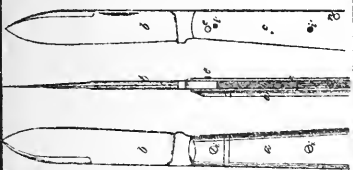
PRINTING-PRESSES.



103,352, WM. H. MILLER.

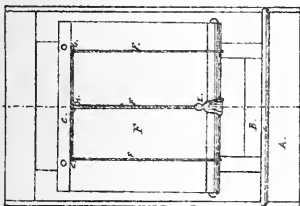
GEO. W. MILLER.

POCKET CUTLERY.



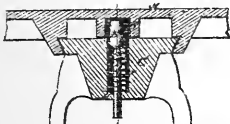
103,353, JAMES MONTGOMERY.

CURTAIN-FIXTURE.

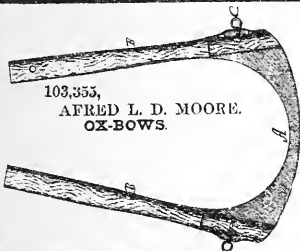


103,354, FRANK MOON.

STOVE-LEG FASTENER.

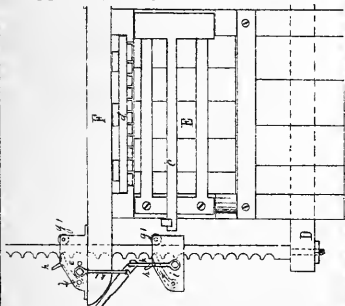
103,355,  
AFRED L. D. MOORE.

OX-BOWS.



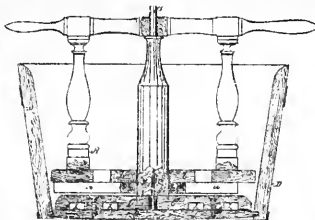
103,356, W. H. MORRIS.

COTTON, HAY, AND HEMP-PRESSES.



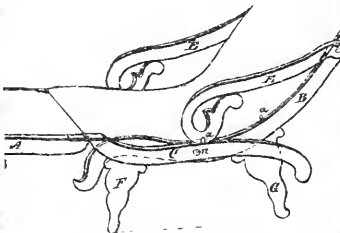
103,357, RUSSELL S. MORSE.

WASHING-MACHINE.

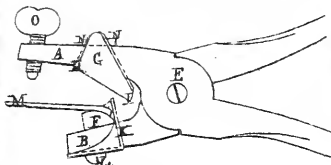


103,358, WILLIAM MORSTATT.

FOLDING CHAIR.

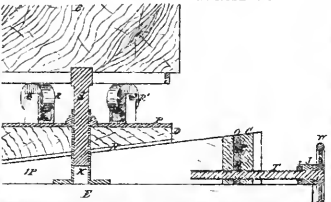


103,359, JAMES MORTON. SAW-SET.



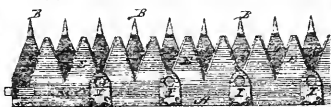
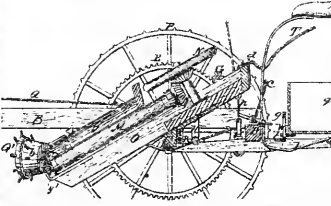
103,360, AUGUST NITTINGER, JR.

MEAT-CUTTER.



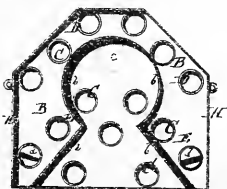
103,361, W. J. OXER.

CUTTER-BAR FOR HARVESTERS.

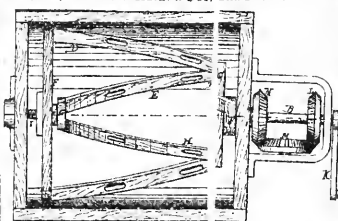
103,362, SAMUEL PATTON. COMBINED  
CORN-HARVESTER AND HUSKER.

103,363, ABRAHAM L. PENNOCK.

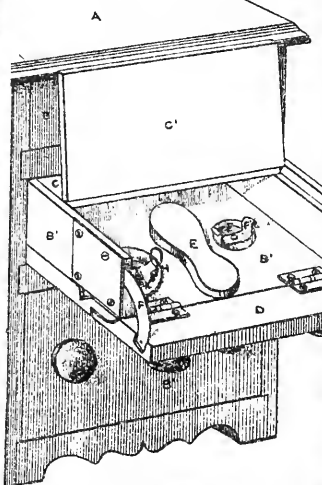
STEAM-GENERATORS.



103,364, W. H. PENNOCK. CHURNS.

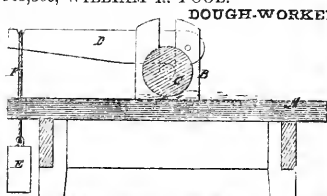


103,365, WILLIAM E. PHELPS.

BOOT-BLACKING  
ATTACHMENT TO BUREAUS.

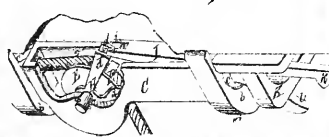
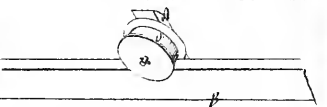
103,366, WILLIAM R. POOL.

DOUGH-WORKER.



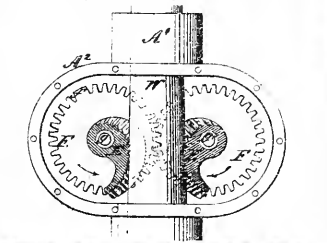
103,367, THOMAS J. POWELL.

ELEVATOR AND CONVEYER.



103,368, WINTHROP DAVIS PUTNAM.

SAFETY SOCKET FOR WHIPS.



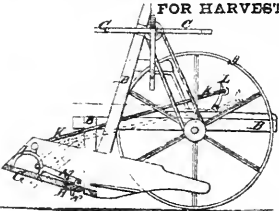
103,369, THOMAS L. REED.

FLEXIBLE TUBING OR HOSE.

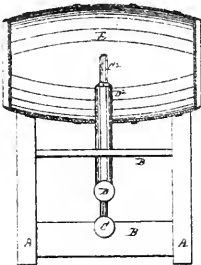




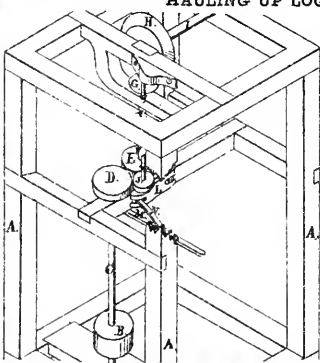
103,370, **BARTIN T. REYNOLDS.**  
**DROPPING-PLATFORM**  
**FOR HARVESTERS.**



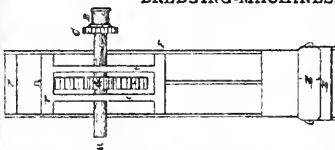
103,371, **THOMAS <sup>his</sup> REYNOLDS.**  
**MACHINES FOR WASHING BARRELS.**



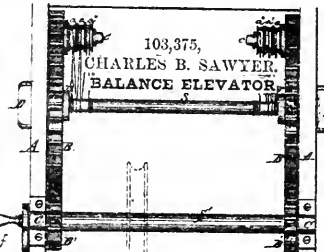
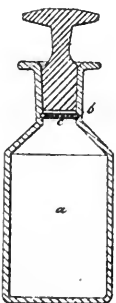
103,372, **SIMON H. RICHARDSON.**  
**HAULING UP LOGS.**



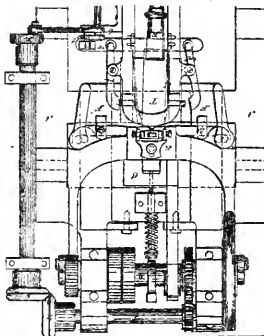
103,373, **W. D. ROBERTSON.**  
**DREDGING-MACHINES.**



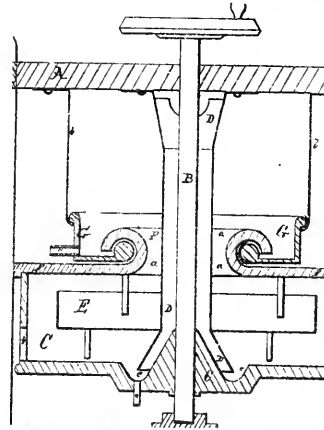
103,374, **EDWARD P. ROCHE, M. D.**  
**DEVICE FOR NEBULIZING**  
**PERFUMES AND VOLATILE LIQUIDS.**



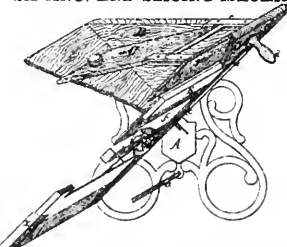
103,375, **CHARLES B. SAWYER.**  
**BALANCE ELEVATOR.**



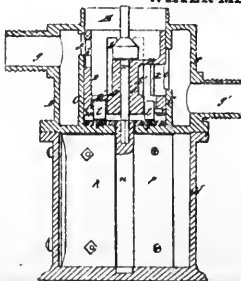
103,376, **HENRY SCHEUERLE.**  
**NAIL-MACHINE.**



103,378, **JOHN F. SHEPARD.**  
**GRATING, SIFTING, AND SLICING-MACHINE.**



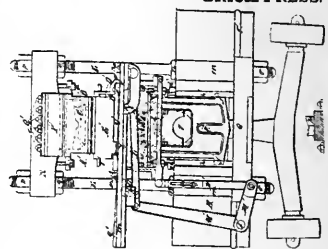
103,379, **GERARD SICKELS.**  
**WATER-METERS.**



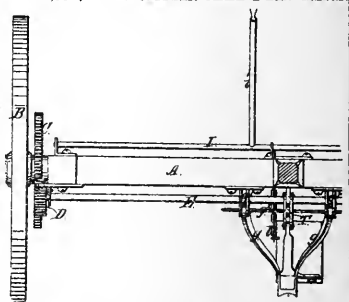
103,380, **FREDERICK H. SMITH.**  
**ROLLED IRON OR STEEL COLUMNS.**



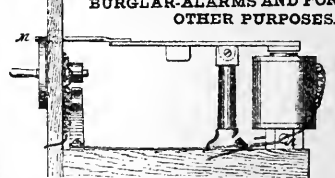
103,381, **J. NOTTINGHAM SMITH.**  
**BRICK-PRESS.**



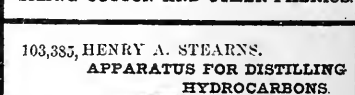
103,382, **T. H. SMITH.**  
**SEED-PLANTERS.**



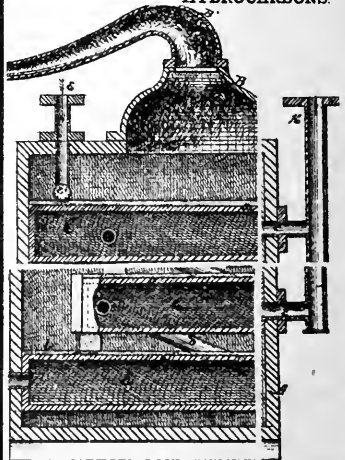
103,383, **JAMES P. SNYDER.**  
**ELECTRO-MAGNETIC INDICATORS FOR**  
**BURGLAR-ALARMS AND FOR**  
**OTHER PURPOSES.**



103,384, **J. W. SPEYER.**  
**SIZING COTTON AND OTHER FABRICS.**



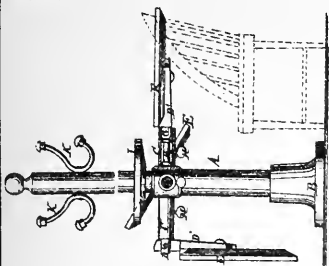
103,385, **HENRY A. STEARNS.**  
**APPARATUS FOR DISTILLING**  
**HYDROCARBONS.**



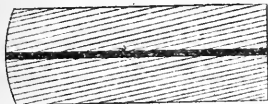
103,386, **ORSON W. STOW.**  
**TINSMITHS' SHEARS.**



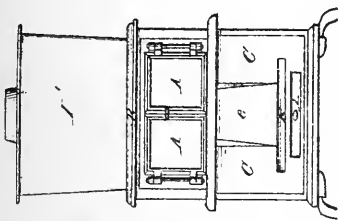
103,387, CHARLES T. SUTTON. TABLE.



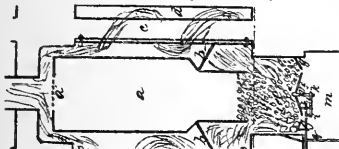
103,388, FREEMAN AUGUSTUS TABER. MANUFACTURE OF TUBULAR CANDLES.



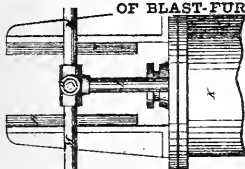
103,389. C. TEMME. COOKING STOVE.



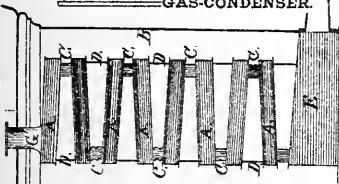
103,390, MOSES A. THAYER. HOT-AIR FURNACE.



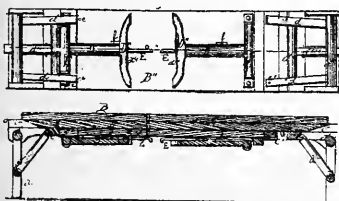
103,391, JAMES THOMAS. APPARATUS FOR OPENING AND CLOSING THE TOPS OF BLAST-FURNACES.



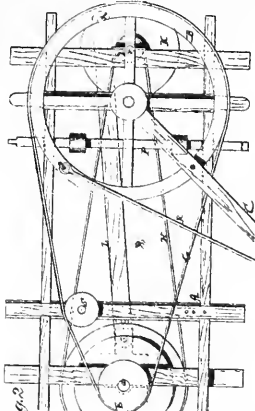
103,392, EDWD. THOMPSON. GAS-CONDENSER.



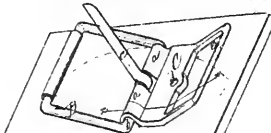
103,393, WM. F. TRAUTMAN. PAPER-HANGERS' APPARATUS.



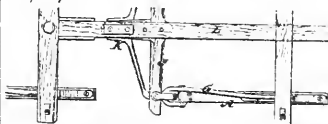
103,394, ASA TRONE. HORSE-POWER SAWING-MACHINE.



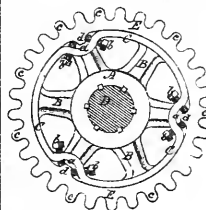
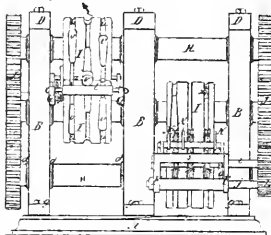
103,395, CHARLES H. TROTT. ATTACHMENT FOR BUCKLES.



103,396, JOHN WAMPACH. BOB-SLED.

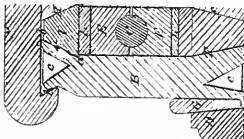


103,397. W. H. WARD. MACHINE FOR ROLLING METALS.

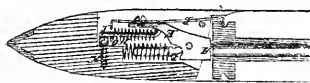


103,398, W. H. WARD. GEAR-WHEEL.

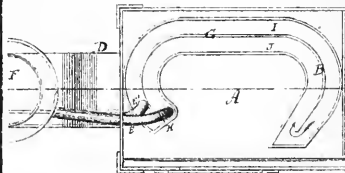
103,399, W. H. WARD. HOUSING FOR METAL-ROLLING MILLS.



103,400, HORACE WELLS. SHUTTLES FOR LOOMS.



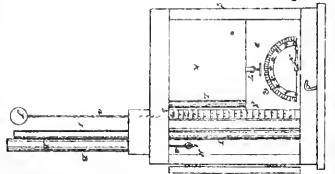
103,401, JAMES WESTERMAN. FURNACES FOR BOILING AND PUDDLING IRON.



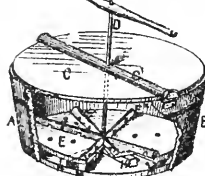
103,402, GEORGE F. WHITNEY. COMPOUND FOR OILING, POLISHING, AND BLACKING LEATHER.

103,403, L. A. WILDER. ROOFING-COMPOUND.

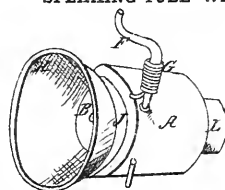
103,404, MOSES H. WILEY. THOMAS MILLER. APPARATUS FOR MEASURING LIQUIDS.



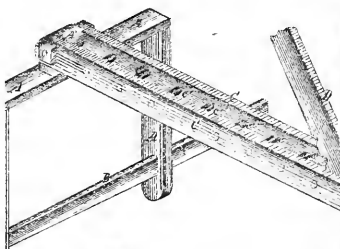
103,405, CHARLES P. WINSLOW. WASHING-MACHINE.



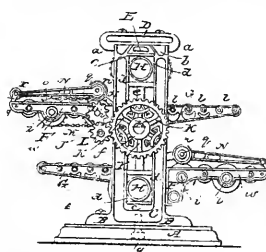
103,406, THOMAS J. WOOLCOCKS. SPEAKING-TUBE WHISTLES.



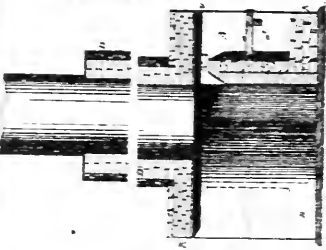
103,407, JAMES D. AKLEY. RICHARD ENGLISH. DEVICE FOR ADJUSTING CROSS-HEADS OF LOCOMOTIVES.



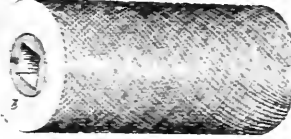
103,408, JONATHAN AMORY. STEAM-GENERATORS AND FURNACES.



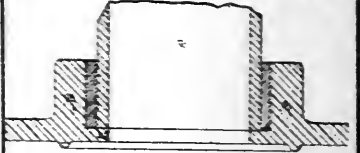
103406. HAS. M. ATKINS.  
ALEXANDER GOVAN.  
FURNACES FOR ROASTING ORES.



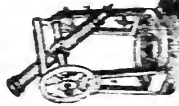
103416. JAMES E. BIRD.  
GEO. C. SMITH.  
VULCANIZED INDIA-RUBBER ROLLS  
FOR WRINGERS GRAIN-DRILLS &c



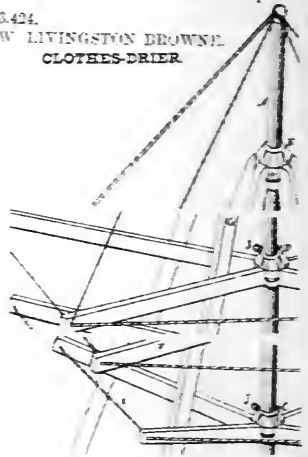
103423. JOSEPH E. BROWN.  
PIPE-COUPPLINGS



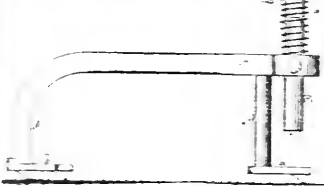
103417. JOHN BLISS.  
GEO. H. BLISS.  
STANDS FOR TRANSIT INSTRUMENTS.



103424.  
W. LIVINGSTON BROWN.  
CLOTHES-DRIER.

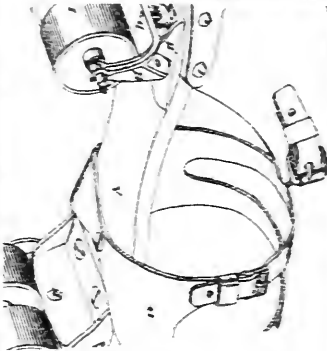


103410. JAMES E. BANCROFT.  
ROBERT C. RACHF.  
CARPET-STRETCHER AND TACKER.



103418. SAMUEL BOTHWELL.  
WELDING  
POWDER FOR IRON AND STEEL

103419. R. T. BRADLEY.  
H. W. WANSBROUGH.  
ROLLER-SKATES

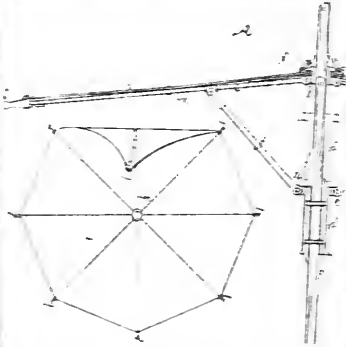


103425. D. C. BRONSON.  
SPRING BED-BOTTOM.

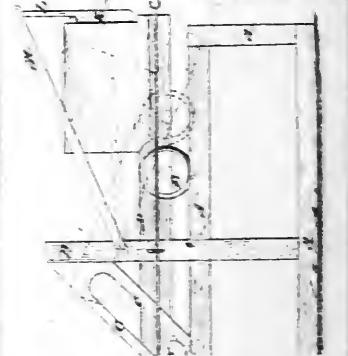


103411. WM. H. BALDWINMENT

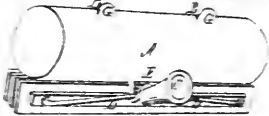
103412. LUCRETIA BATTLE. PARASOLS.



103426. GEORGE BURKET.  
SAMUEL LANTZ.  
DUMPING-WAGON



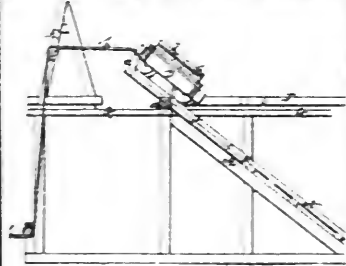
103413. WILLIAM HEWITT BEATTY.  
MOP-HEAD



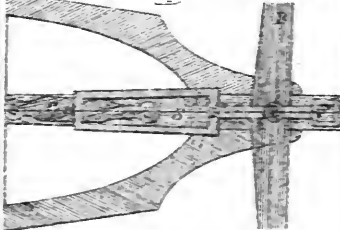
103420. WELLEN BRAY.  
NOZZLE AND STOPPER FOR CANS &c



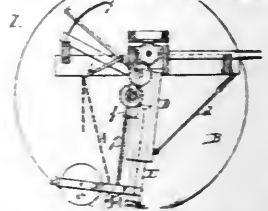
103414. DAVID N. GREEN.  
JOHN C. BENNETT.  
ELEVATORS FOR BUILDING MATERIAL



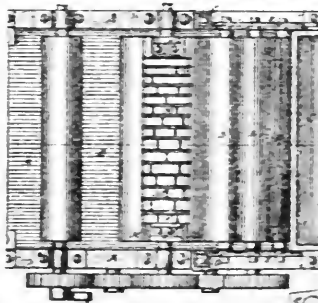
103421. CHARLES BROWN.  
HAMMER-STRAP FOR WAGONS.



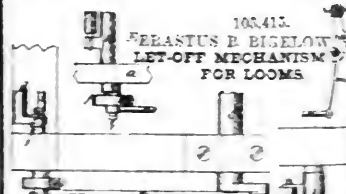
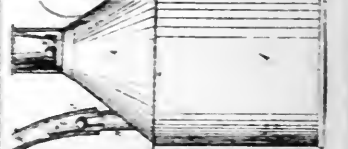
103427. JACOB BUSH.  
BROOM-CORN SEED-PLANTER.



103422. J. BAILEY BROWN.  
PRINTING-PRESSES

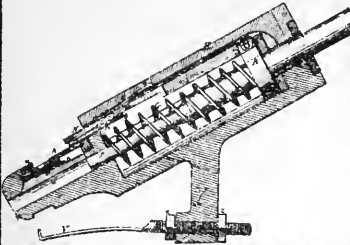


103428. JOHN R. COMPTON. OIL-CANS  
CROWELL M. TOMS

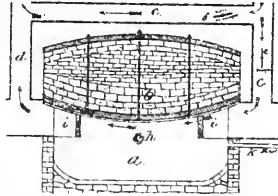


103,429, ROSWELL F. COOK.

BRAD-PUNCH.

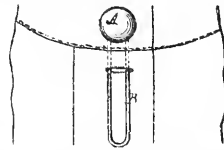


103,437. W. FIELDS.

FURNACES FOR TREATING CAST-IRON  
TO CONVERT THE SAME INTO  
IRON AND STEEL

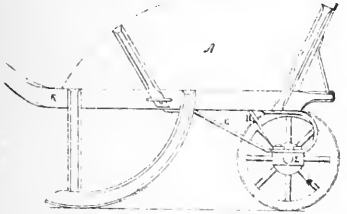
103,443, J. C. GASTON.

BUTTON-FASTENINGS.



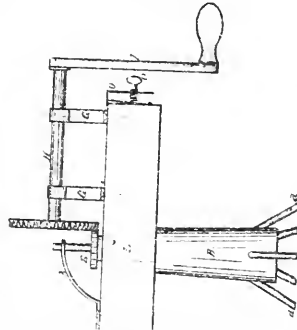
103,430, NELSON CRONKITE.

WHEELBARROW.



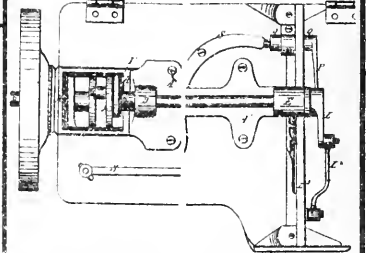
103,438, WM. L. FRAZEE.

WASHING-MACHINE.



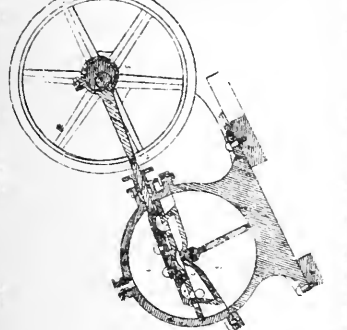
103,444, MICHAEL F. GERAGHTY.

SEWING-MACHINE.



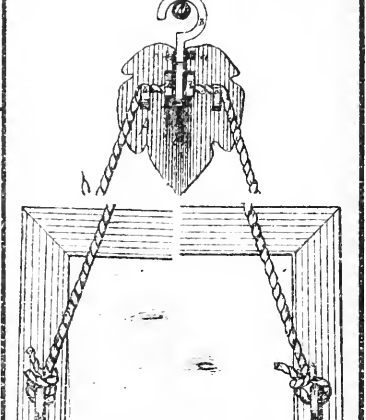
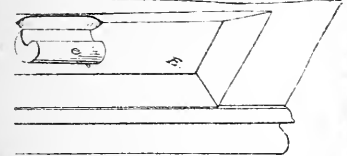
103,431, JOHN MAYRS CURRY.

STEAM-ENGINES.



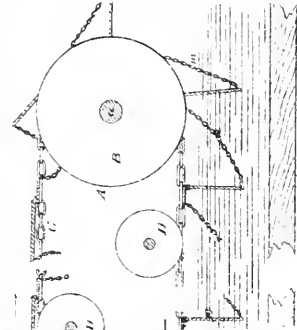
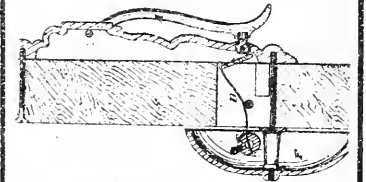
103,445, JOHN JEFFERSON GLOVER.

PICTURE-POISE.

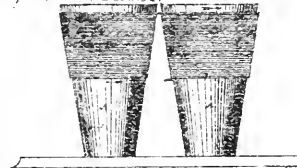
103,432, WALL-PAPER PROTECTOR.  
MARY DISSTON.

103,439, ABEL FRENCH.

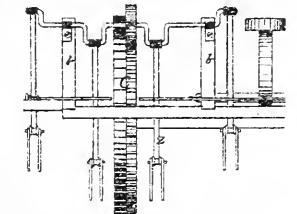
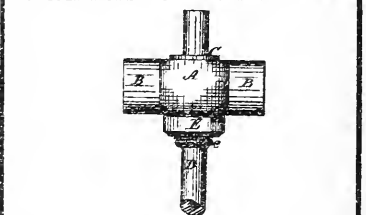
WATER-POWER MECHANISM.

103,446, E. H. GOLDMAN. DOOR-BELLS.  
DAVID W. HISEY.103,433, C. M. TESSIE DU MOTAY.  
PROCESS OF EXTRACTING SILVER AND  
GOLD FROM ARSENIO-SULPHURETS  
OF LEAD, COPPER, &c

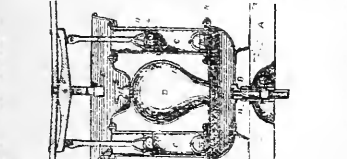
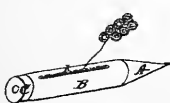
103,440, M. S. FROST. ELECTRO-MAGNETS.

103,434, C. M. TESSIE DU MOTAY.  
PROCESS FOR THE TREATMENT  
OF ORES.

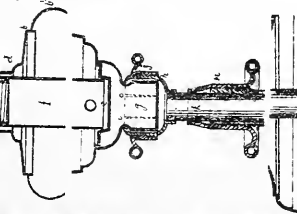
103,441, W. H. H. FRYE. HAY-SPREADERS.

103,447, ADAM GOOD, JR.  
ADJUSTABLE CONNECTIONS OF  
SUCKER-RODS TO WALKING-BEAMS.

103,435, B. W. FELTHOUSEN. PUMPS.

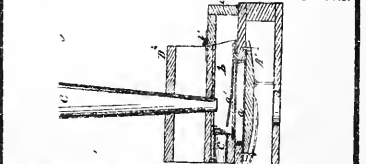
103,436, B. L. FETHEROLF.  
TATTING-SHUTTLES.

103,442, JIM B. FULLER. LAMPS.



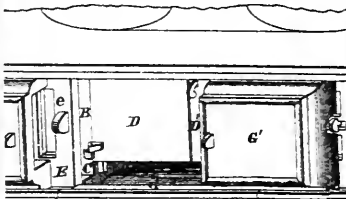
103,448, HORATIO N. GOODMAN.

ORGANS.



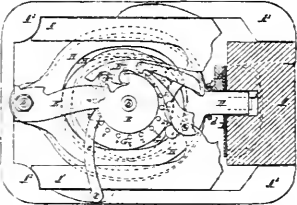
103,449, JAMES GREER.  
RUFUS J. KING.

COOKING-STOVE.

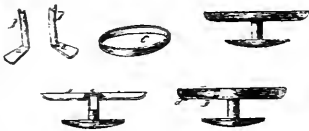


103,450. H. GROSS.

PERMUTATION LOCKS.



103,451, R. H. GUILFORD. BUTTONS.

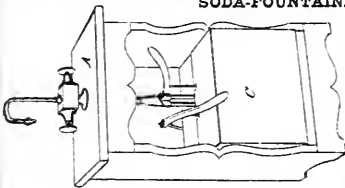
103,452, JOHN E. HALSTED.  
COLOPE C. HALSTED.

COMBINED SEEDER AND HARROW.



103,453, NATHAN T. HAMILTON.

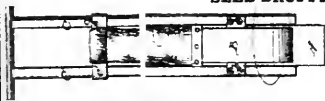
SODA-FOUNTAIN.



103,454, J. F. HANSON.

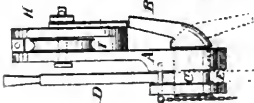
JNO. E. CALLAWAY

SEED-DROPPER.



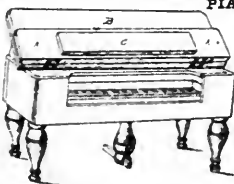
103,455, THOMAS J. HARTE.

DETACHING-BLOCKS.

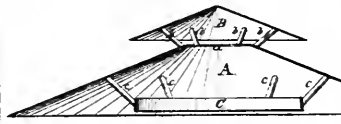


103,456, CHARLES HATTERSLEY.

PIANOS.

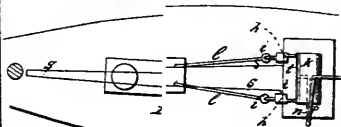


103,457, JOSEPH M. HEARD. HATS.



103,458, HORATIO F. HICKS.

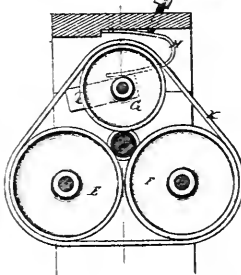
STEAM STEERING APPARATUS.



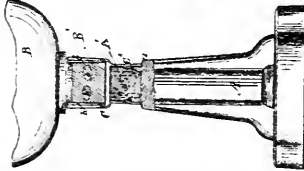
103,459, GILBERT P. HILL.

EDWARD C. DOW.

SAWING-MACHINE.



103,460, J. H. HOBBS. LAMPS

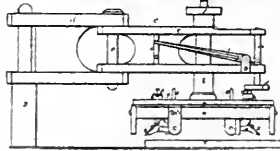


103,461. S. E. HOLBROOK, Jr.

COUNTERSINK.

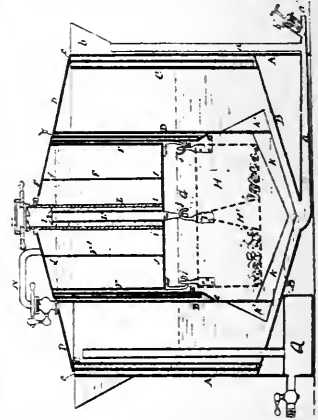
103,462,  
ISAAC HOLLIDAY.

BIT-STOCKS.

103,463, CHARLES HOLMES.  
FRANK E. HOLMES.MACHINERY FOR  
SCOURING OR DRESSING HIDES.

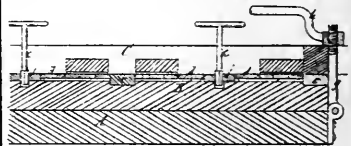
103,464, THOMAS HOWELL.

SEED SOWER.

103,465, HENRY I. HOYT.  
MACHINES FOR GENERATING AND  
CARBURETING HYDROGEN GAS.

103,466, PHILIP HUFELAND.

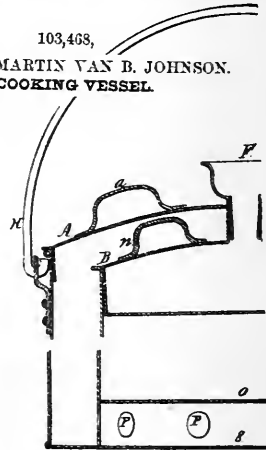
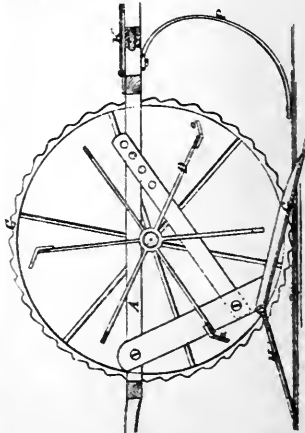
STRIP-PRESS.



103,467, LIVER'S HULL WHIPS.

103,468,  
MARTIN VAN B. JOHNSON.

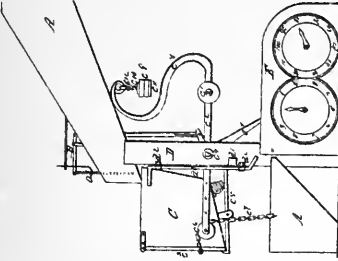
COOKING VESSEL.

103,469. M. JOHNSON.  
POTATO DIGGER.



103,470, JOHN T. KEELING.

GRAIN-METERS.

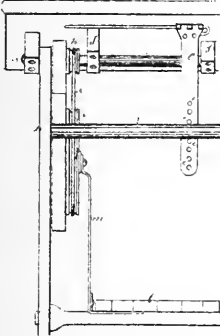


103,471. J. N. KENDALL.

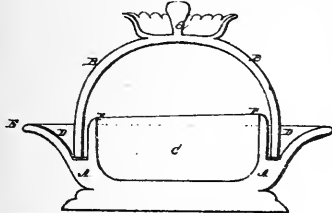
TRANSFERRING AND LOOP RETAINING  
COMB FOR KNITTING MACHINES

103,472. MICHAEL J. KERIGAN.

SEWING-MACHINE TABLE.

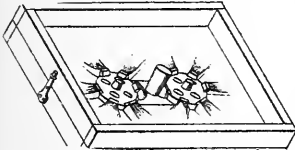


103,473. LEOPOLD KLEE.

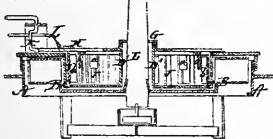
ANDREW PATTERSON.  
REFRIGERATING VESSEL.

103,474, VICTOR KNECHT.

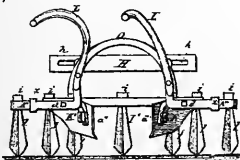
PULLEY-SHEAVE.



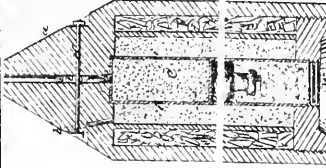
103,475, JESSE KRALL. WATER-WHEELS.



103,476, HUGH LAIRD. CULTIVATOR.

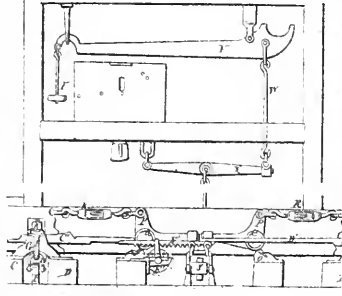


103,477, JOSEPH LINK. PROJECTILES.

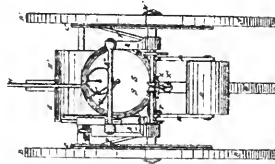


103,478, CHESTER C. LYMAN.

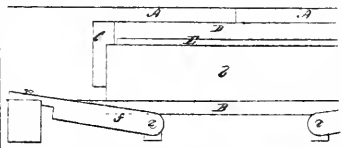
PLATFORM-SCALES.



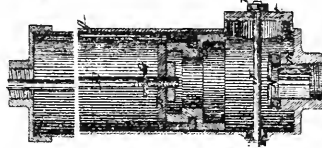
103,479, HENRY MANGER.

SELF-RECORDING SURVEYING  
-MACHINE.103,480, THOS. B. McCONAUGHEY.  
JAMES ADAMS.

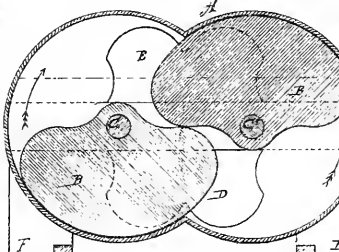
RAILWAY RAIL-JOINT FASTENING.



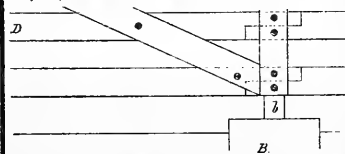
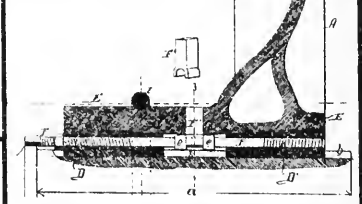
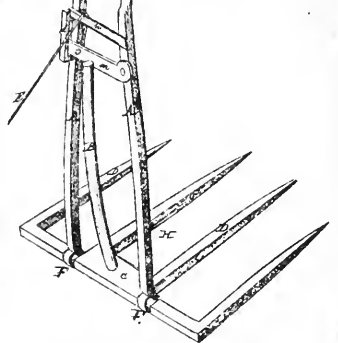
103,481, A. Y. McDONALD. PUMPS.



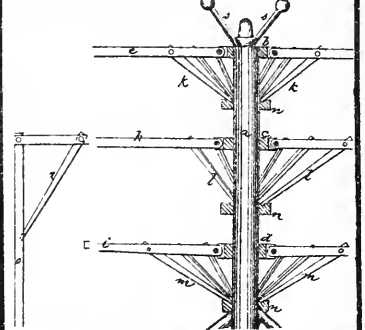
103,482, HENRY C. McILWAIN.

ALONZO BRUMFIELD.  
ROTARY BLOWERS.

103,483, JAMES M. MCKEE. FENCES.

103,484,  
ALEXANDER McLEOD.  
SECURING CAR-WHEELS  
TO AXLES.103,485,  
SAMUEL P. MECAY.  
HORSE HAY-FORKS.

103,486, DAVID MORRIS. CLOTHES-DRIER.

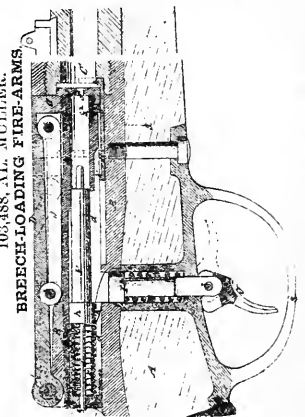


103,487, I. MOSES. TAILORS' MEASURES.

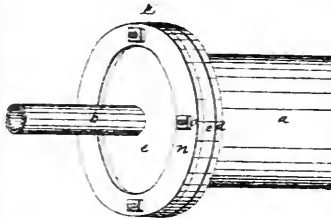
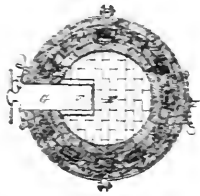


103,488, AL. MULLER.

BREACH-LOADING FIRE-ARMS.



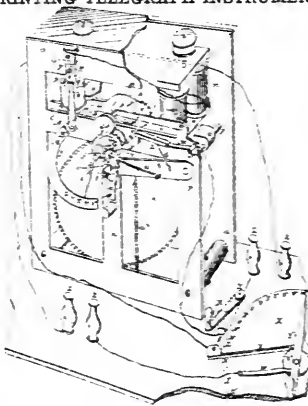
103,480 GEORGE NOCK  
FURNACES FOR PRODUCING  
SPONGE FROM IRON-ORE.



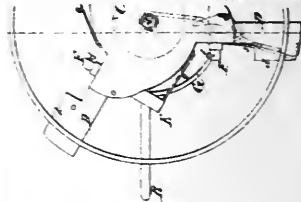
103,493, GEO. PENNOYER.  
HARNESS SADDLE-TREE.



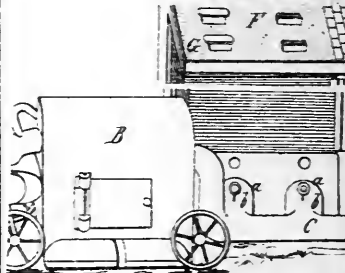
103,496. W. P. PHELPS AND  
W. J. PHILIPS.  
PRINTING TELEGRAPH INSTRUMENT.



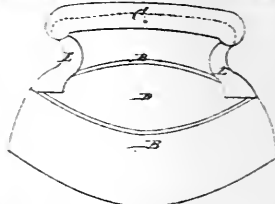
103,499, BENJAMIN PORTER.  
CORN-PLANTERS.



103,500, NATHANIEL F. POTTER.  
KILN FOR DRYING AND  
BURNING BRICK.



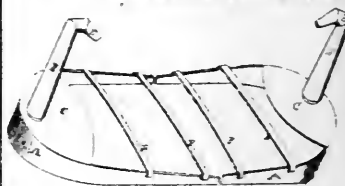
103,501, MARY F. POTTS. SADDLE-IRON.



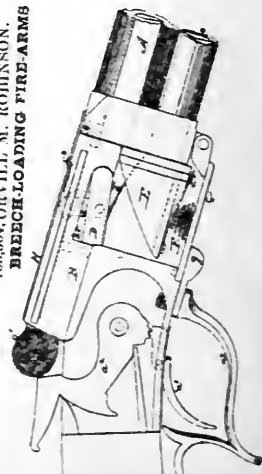
103,502, J. A. PRESTON. COAL-BARGES.



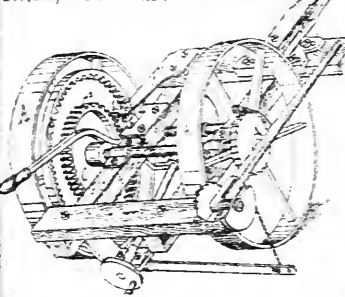
103,503, ADONIJAH H. PROCTOR.  
WASH-BOILER ATTACHMENT.



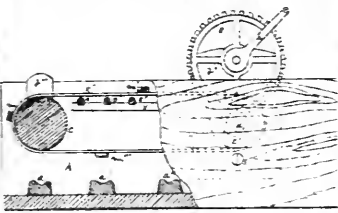
103,504, ORVILLE M. ROBINSON.  
BREECH-LOADING FIRE-ARMS.



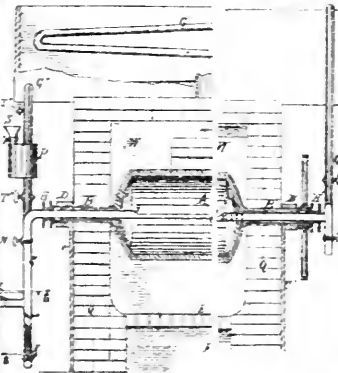
103,490, C. N. OWEN. HARVESTER.



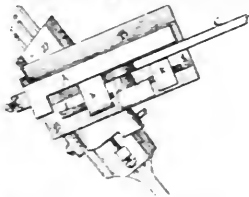
103,491, JOHN E. PALON.  
WASHING-MACHINE.



103,492, JAS. W. PAIGE.  
DEXTER REYNOLDS.  
BOILER FOR STEAM HEATERS.

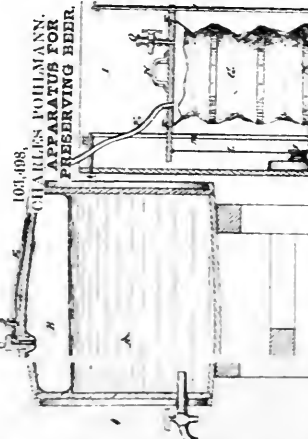
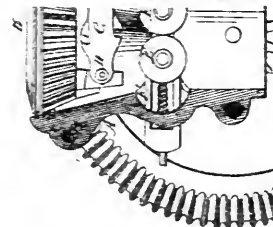


103,493, A. S. PARKS. TOOLS FOR  
FITTING BOTTOMS TO FRUIT-BASKETS.

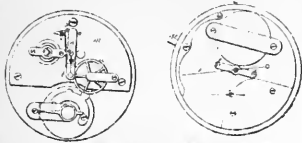


103,494, CHARLES A. PEAVEY.  
CONNECTING-PIPE FOR LOCOMOTIVES.

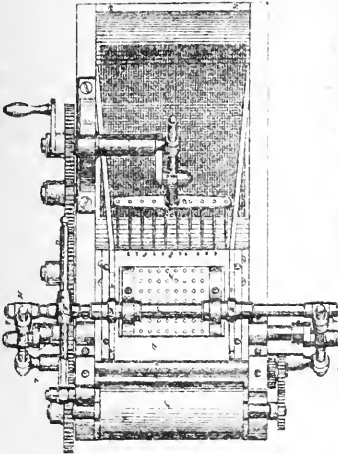
103,497, CHARLES H. PICKERING.  
HAND CORN-SHELLERS.



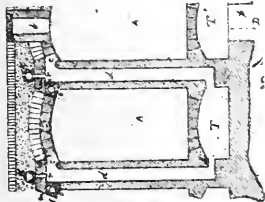
103,505, FREDERIC ROTIG.  
STOP-WATCHES.



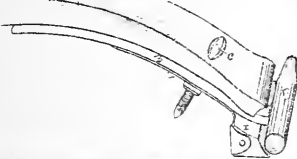
103,506, CHARLES G. SARGENT.  
MACHINERY FOR WASHING AND  
DYEING FIBROUS MATERIALS



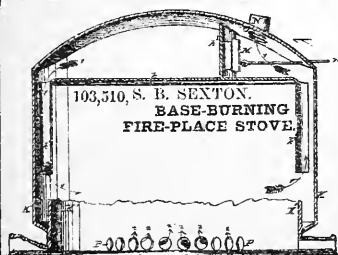
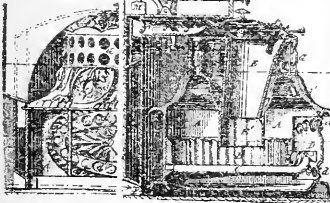
103,507, LEWIS SCHANTL COKE-OVENS.



103,508, MATHIAS SCHOU. JACKS FOR  
CONNECTING POLES  
AND SHAFTS TO WAGONS.



103,509, H. C. SERGEANT.  
FLUID METERS.

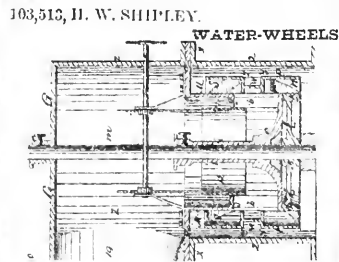


103,510, S. B. SEXTON.  
BASE-BURNING  
FIRE-PLACE STOVE.

103,511, ALFRED B. SHEAFFER.  
BEDSTEAD-FASTENER.



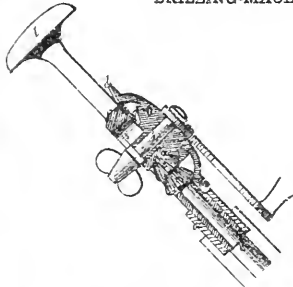
103,512, HARDY L. SHEFFER.  
MEDICAL COMPOUND  
FOR THE CURE OF DIPHTHERIA.



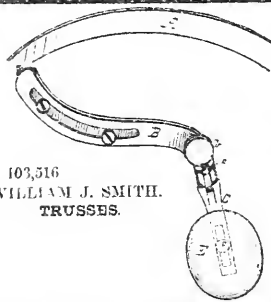
103,514,  
WM. H. SHOCK.  
PROJECTILES.



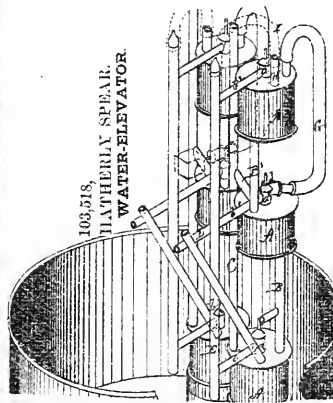
103,513, JAMES SMITH.  
DRILLING-MACHINE.



103,516  
WILLIAM J. SMITH.  
TRUSSES.

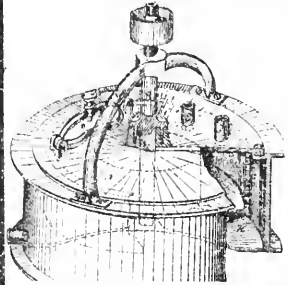


103,517, S. SORENSON.  
PREPARATION OF ARTIFICIAL  
LEATHER FROM SCRAPLEATHER, &c.



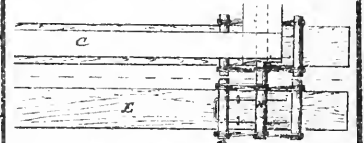
103,518,  
HATHERLY SPEAR.  
WATER-ELEVATOR.

103,519, HENRY A. STEARNS.  
APPARATUS FOR EXTRACTING OIL  
FROM ANIMAL AND VEGETA  
BLE SUBSTANCES



103,520, CHARLES STEPHENS.  
MANUFACTURE OF ARTIFICIAL STONE.

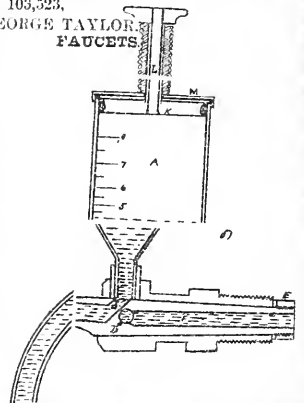
103,521, CYRUS S. STEVENS.  
SPRING-BED BOTTOM.



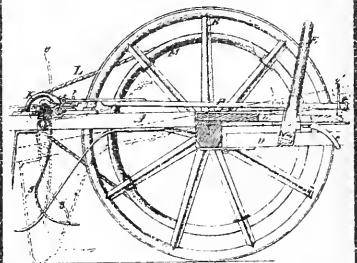
103,522,  
WM. W. SWANN.  
OVERSHOES.



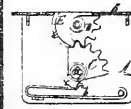
103,523,  
GEORGE TAYLOR.  
FAUCETS.



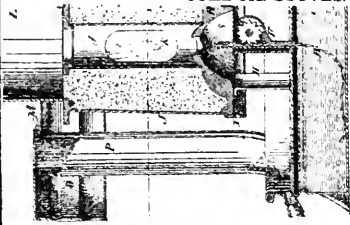
103,524, S. J. TAYLOR.  
COMBINED HAY-RAKE AND TEDDER.



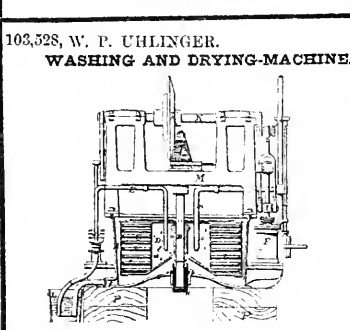
103,525,  
JOHN THIELEMAN.  
PHILIPP MEYER.  
PIANO-LOCKS.



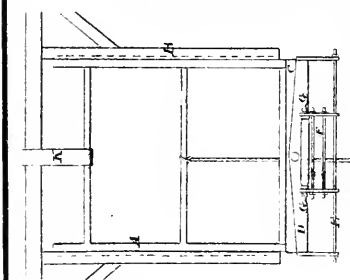
103,526, JAMES H. THORP.  
COAL-OIL STOVES.



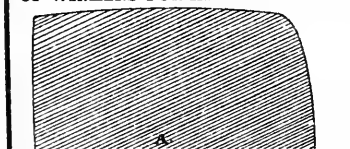
103,527, HIRAM TUCKER.  
SURFACING CAST-IRON.



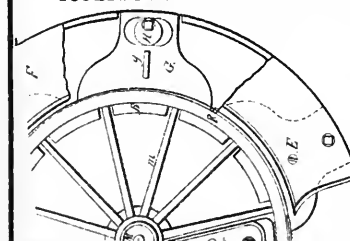
103,528, W. P. UHLINGER.  
WASHING AND DRYING-MACHINE.



103,530, EUGENE WARD, MANUFACTURE  
OF WINKERS FOR HARNESS-BRIDLES.



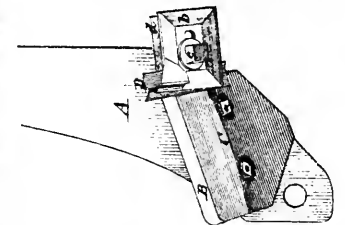
103,531, W. F. WATERS.  
MACHINES FOR PUTTING  
TOGETHER AND TIRING WHEELS.



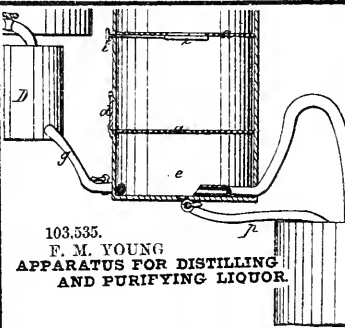
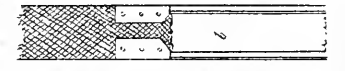
103,532, BAXTER D. WHITNEY.  
MACHINES FOR BOTTOMING  
FRUIT-BASKETS.



103,533, BAXTER D. WHITNEY.  
CUTTERS FOR CUTTING THE  
BODIES OF FRUIT-BASKETS.

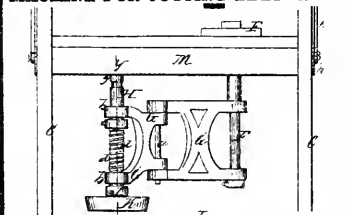


103,534, THOMAS SCOTT WILLIAMS,  
FREEMAN AUGUSTUS TABER.  
TREATING CANDLE AND LAMP-WICK.

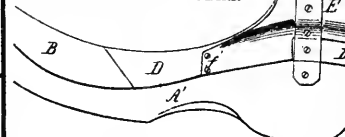


103,535,  
F. M. YOUNG  
APPARATUS FOR DISTILLING  
AND PURIFYING LIQUOR.

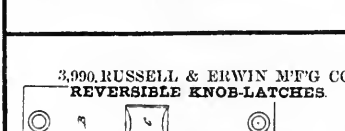
3,987. C. F. DAVIS, T. COREY,  
S. AND R. BOYD.  
MACHINE FOR CUTTING LEATHER.



3,988. J. B. GATHRIGHT.  
TREE FOR SIDE SADDLES.



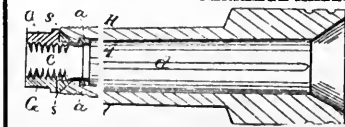
3,989. S. B. HEWETT, JR., AND  
L. P. JONES.  
COATING IRON AND STEEL.



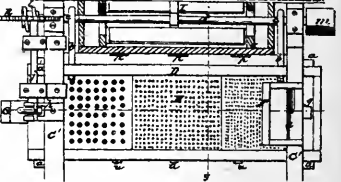
3,990, RUSSELL & ERWIN MFG CO.  
REVERSIBLE KNOB-LATCHES.



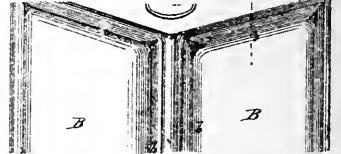
3,991, ALFRED E. SMITH.  
CARRIAGE-AXLES.



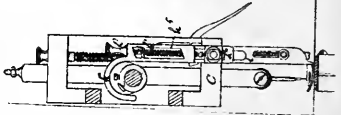
3,992, WILLIAM W. STOLL.  
MACHINES FOR SEPARATING  
GRAIN AND OTHER MATERIALS.



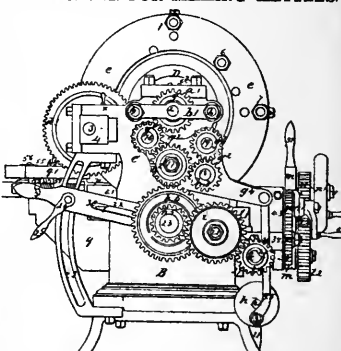
3,993. CAN FOR PAINT, FRUIT, &c  
THE DEVOE MANUFACTURING  
COMPANY.



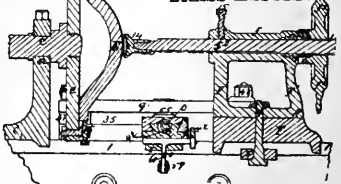
3,994. THE GLOBE SEWING-MACHINE CO.  
SEWING-MACHINE.



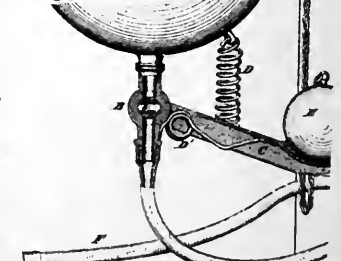
3,995, WATERBURY BRASS CO.  
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3,996, WATERBURY BRASS CO.  
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3,997, W. P. VAN DEURSEN,  
W. C. DAVIS.  
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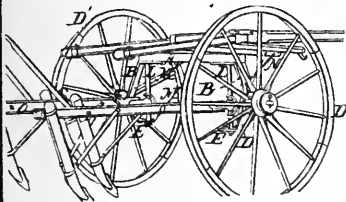
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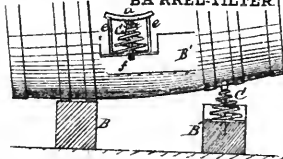
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MAY 31. 1870.

103,536, THOMAS R. ABBOTT.  
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103,540, GEORGE ARMSTRONG  
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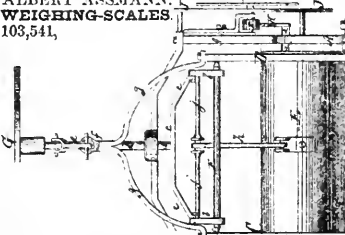
103,550, SIMEON R. BOLTON  
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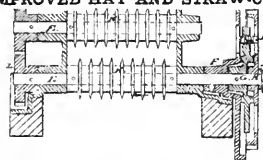
103,551, A. BOOTH.  
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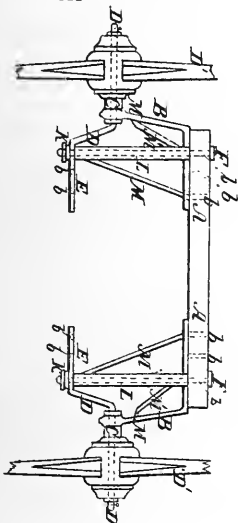
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103,541,



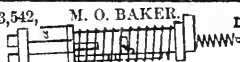
103,552, ADOLF C. BOTH.  
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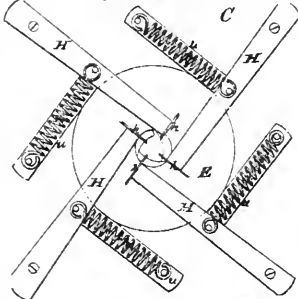
103,537, H. A. ADAMS.  
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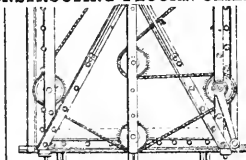
103,542, M. O. BAKER. LOCKS.



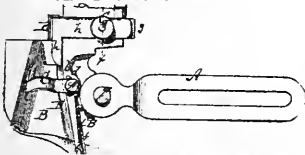
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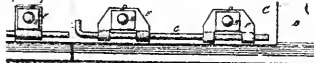
103,553 G. C. BOUZAT.  
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103,538, L. ANDERSON.  
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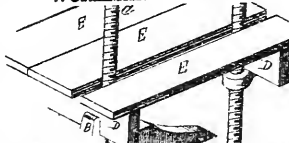


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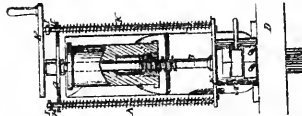


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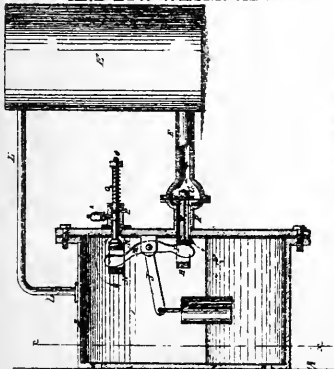
103,546, WM. H. BERGER.  
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103,555, JAMES M. BROOKFIELD.  
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103,539, VALERIUS D. ANDERSON.  
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103,547, GEORGE W. BISHOP.  
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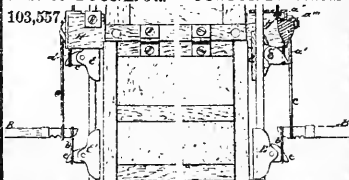
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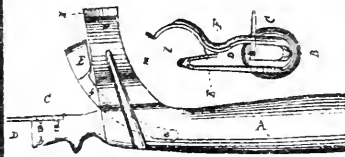
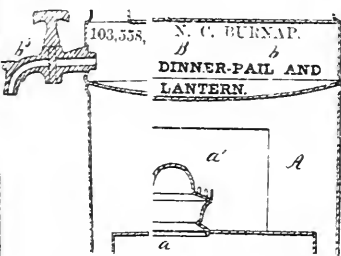
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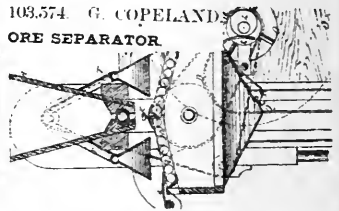




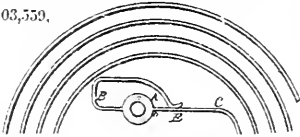
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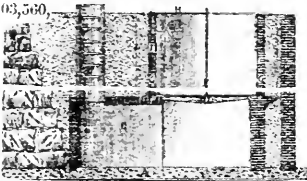
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ORE SEPARATOR.



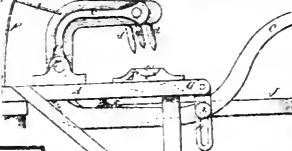
L. C. BUTCH. BELLS FOR CLOCKS  
103,559.



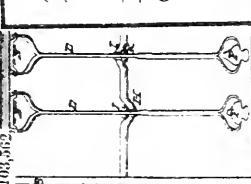
ROBERT CARTWRIGHT. MOLDING-PITS  
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103,560.



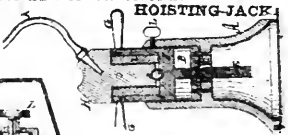
E. H. CARVER.  
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103,561.



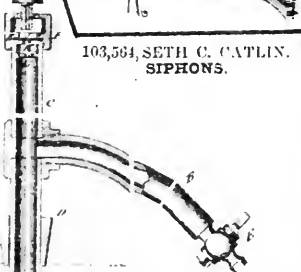
HENRY J. CASE.  
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103,562.



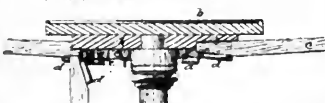
103,563. EDWIN A. CASTELLAW.  
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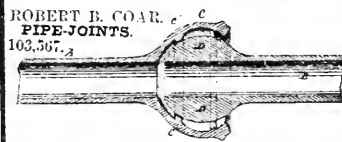
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SIPHONS.



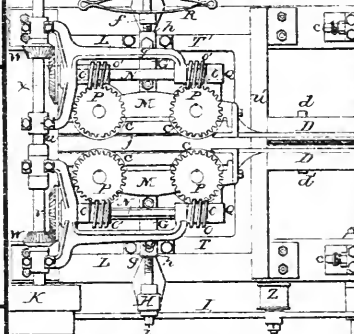
103,565. M. E. CHARLES.  
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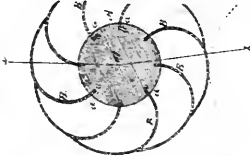
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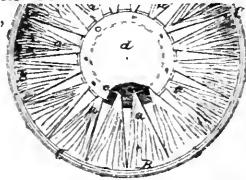
103,568. L. J. COBB.  
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103,569. PHINEAS COBURN.  
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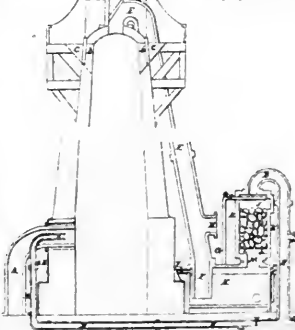
EASTMAN COLBY. FRUIT-BASKET.  
103,570.



JOHN F. COLLINS.  
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103,571.  
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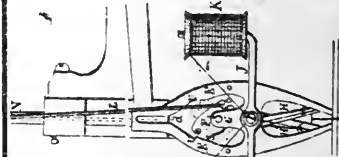
103,572. JOSEPH H. CONNELLY  
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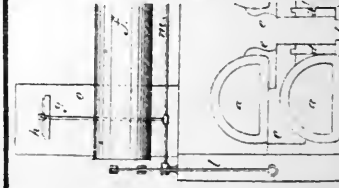
103,577. ISAAC F. CRAIG.  
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103,578. EDWIN J. CUBLEY.  
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103,579. THOMAS CURLEY.  
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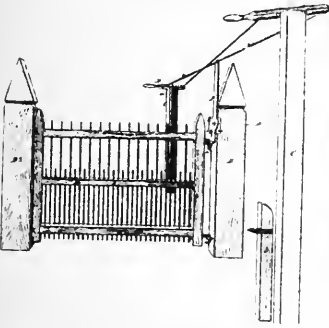


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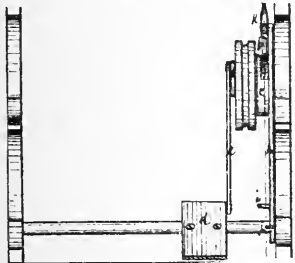
103,581, E. J. DE SMEDT.  
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103,582, E. J. DE SMEDT.  
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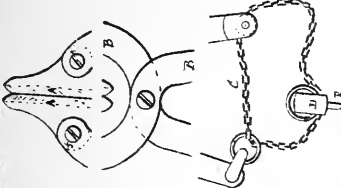
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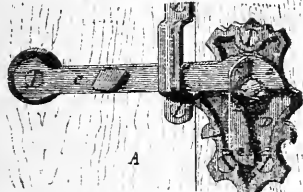
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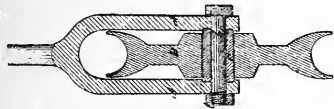
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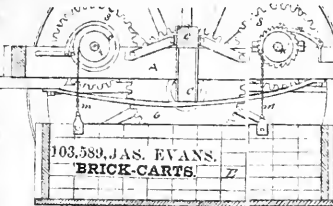
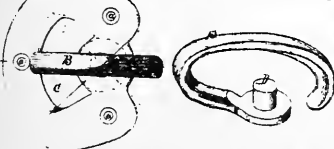
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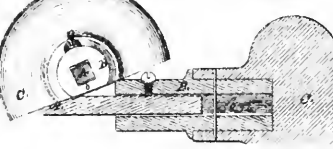
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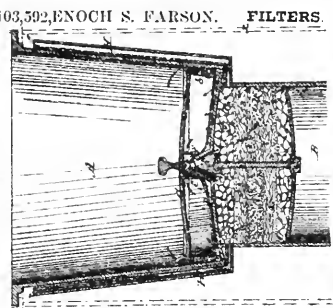
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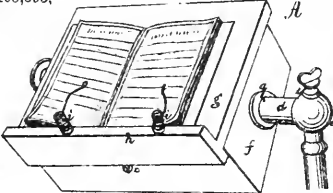
103,590, JOHN EVANS.  
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103,591, FRANCOIS FABRE.  
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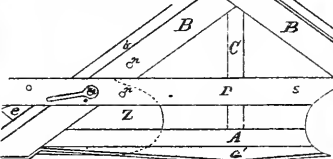
103,593, AND. C. FLINT, READING-STAND.



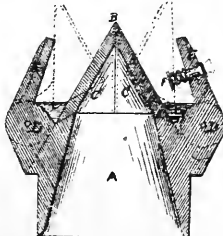
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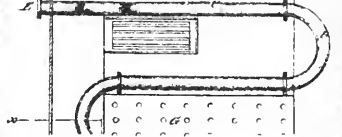
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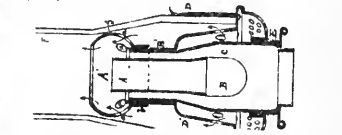
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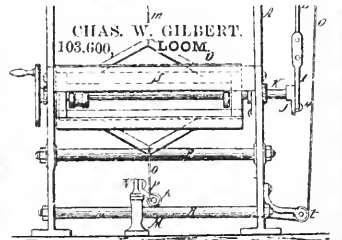
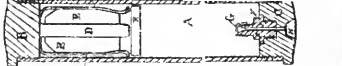
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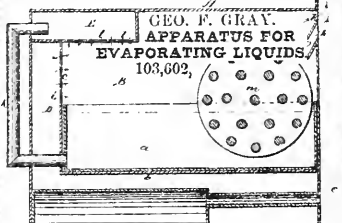
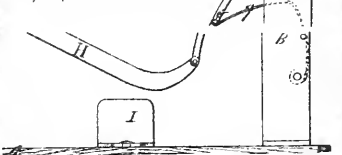
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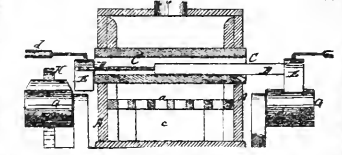
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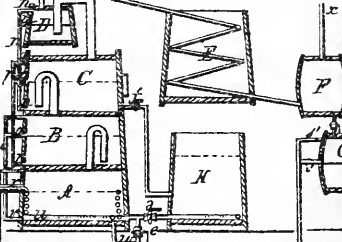
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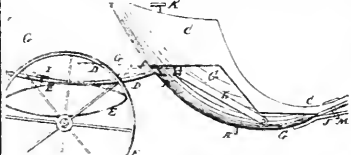


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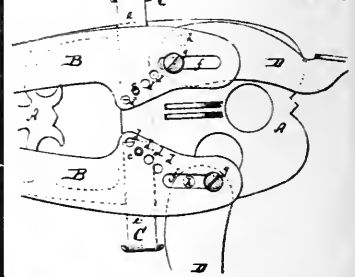


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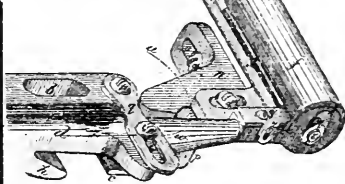
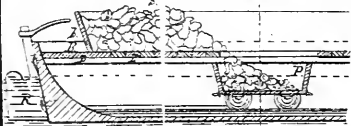
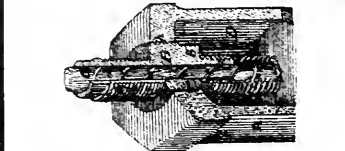


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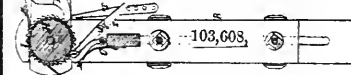
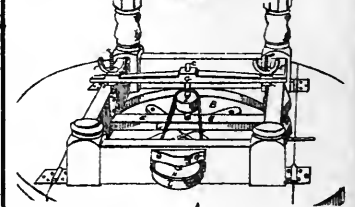
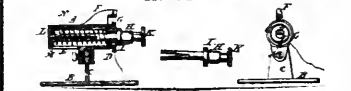
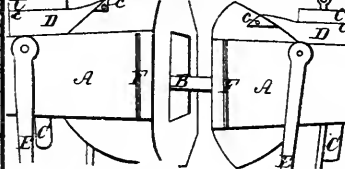
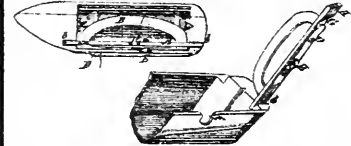
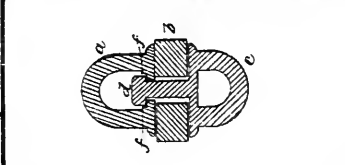
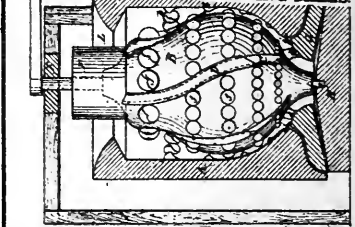
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103,623, MONES KINSEY.  
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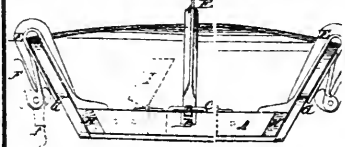
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103,616, W. H. HOWARD,  
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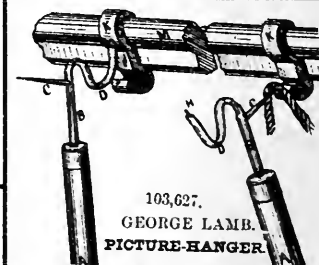
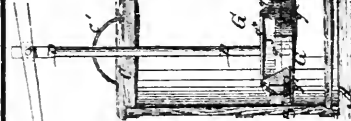
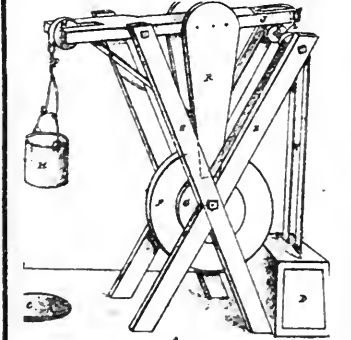
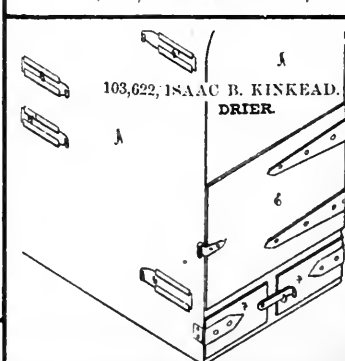
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103,625, JAMES L. KNIGHT,  
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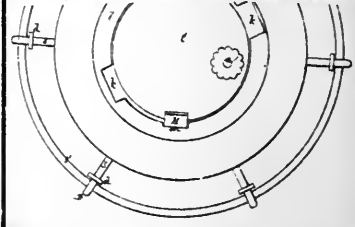
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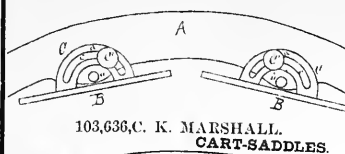
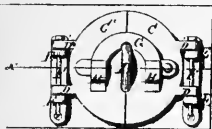
103,612, NATHAN S. HAZEN, CHURNS.

103,627,  
GEORGE LAMB,  
PICTURE-HANGER.103,613, MORRISON HEADY,  
WATER-ELEVATOR.103,621,  
B. F. JOHNSON,  
COOKING-STOVE.103,622, ISAAC B. KINKEAD,  
DRIER.

103,628, LEMUEL W. LEARY, LANTERNS.

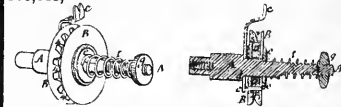
103,614, FRANCIS M. HILLSTREAM,  
COMPOSITION MADE FROM COAL-TAR.103,629, JOHN LINTNER,  
FASTENINGS FOR GATES.

103,630, R. LISTON, HAWSE-HOLE COVER.



103,636, C. K. MARSHALL, CART-SADDLES.

JOHN H. MOONEY, TENSION-WHEEL FOR SEWING-MACHINE.



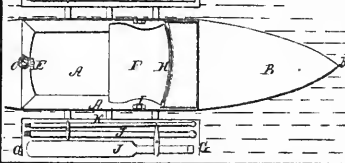
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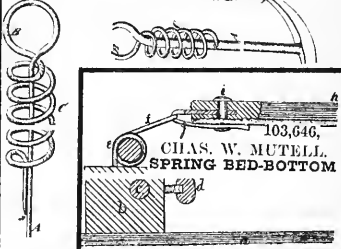
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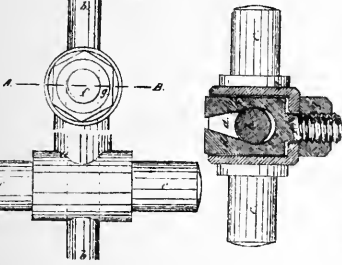
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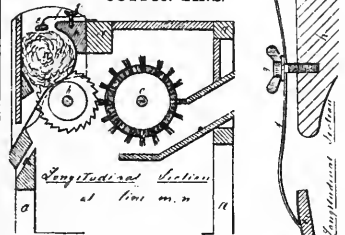
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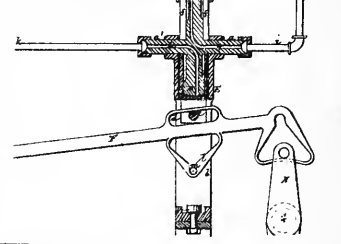
103,632, HENRY H. LOCKE, PUMP-ROD ATTACHMENTS.



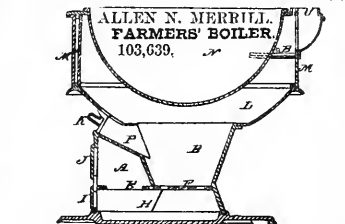
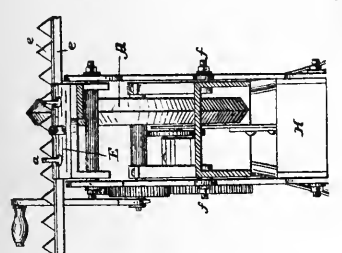
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103,646, CHAS. W. MUELLER, SPRING BED-BOTTOM.

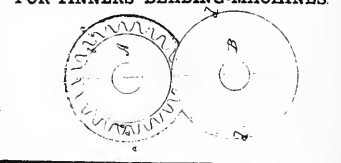


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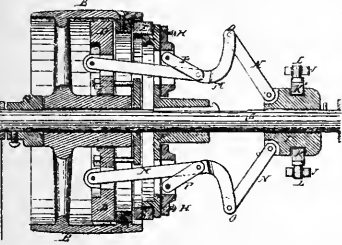


ALLEN N. MERRILL, FARMERS' BOILER. 103,639.

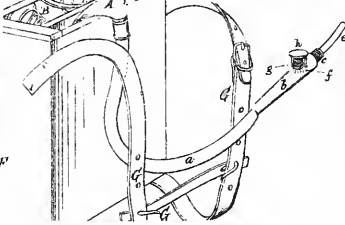
103,648, BENJ. S. PARTRIDGE, WHEELS FOR TINNERS' BEADING-MACHINES.



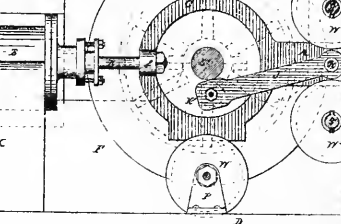
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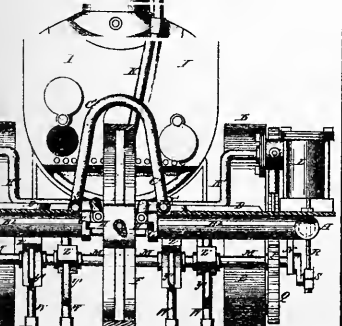
103,640, ASA P. MERRITT, APPARATUS FOR PAINTING.



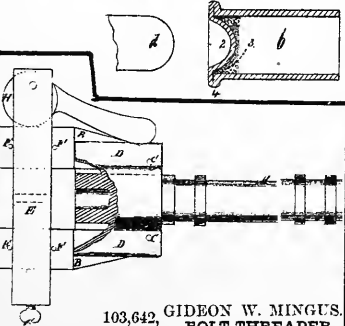
103,649, LEONARD PHLEGER, STEAM-ENGINE CONNECTIONS.



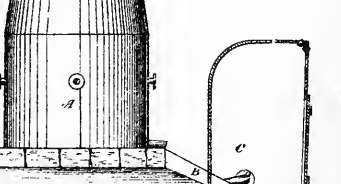
103,635, M. N. LYNN, STEAM FLOW.



103,641, J. M. MILBANK, PRIMERS FOR CARTRIDGES.



103,650, A. A. PLAYER AND H. McALLISTER, JR., FURNACES, FOR PRODUCING A USEFUL TREATING SLAG, FROM IRON AND GLASS MATERIAL.



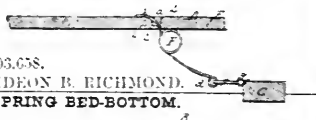
103,642, GIDEON W. MINGUS, BOLT-THREADER.

103,651. AUGUSTA AMELIA PLAYER.  
HENRY McALLISTER, JR.  
HOT-BLAST OVENS



103,658.

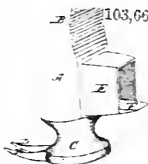
GIDEON B. RICHMOND.  
SPRING BED-BOTTOM.



103,659. N. H. ROBINSON  
DOVETAILING-CHISEL

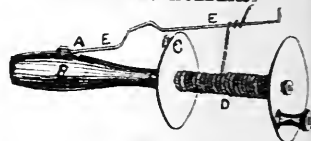


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HAMMERS

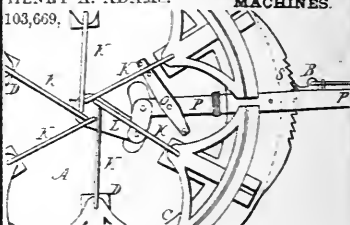


HAMMERS

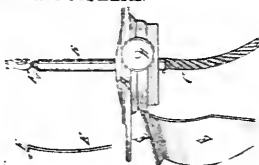
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KITE-STRING HOLDERS



ANDREW SHOGREN.  
HENRY A. ADAMS.  
TIRE-SETTING  
MACHINES.



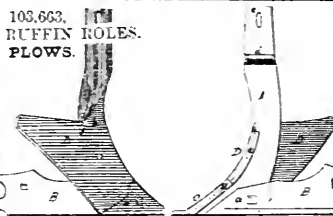
103,652. DAVID J. POWERS.  
LAMP-EXTINGUISHERS.



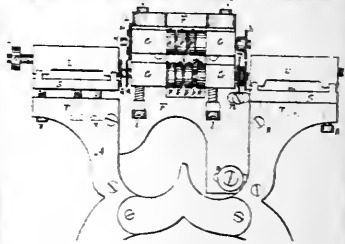
103,661. JOSEPH G. ROGERS.  
COMPOSITION FOR PREVENTING  
INCrustATION IN STEAM-BOILERS.

103,662. JOSEPH G. ROGERS. PREVENTING  
INCrustATION IN STEAM-BOILERS.

103,663. RUFFIN ROLLS.  
PLOWS.



103,670. WILLARD E. SIBLEY.  
MACHINE FOR CUTTING DOVETAILS



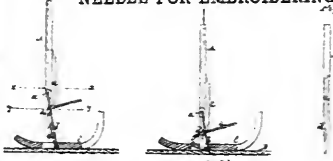
TURNER C. PURINGTON.  
103,653. WRENCH



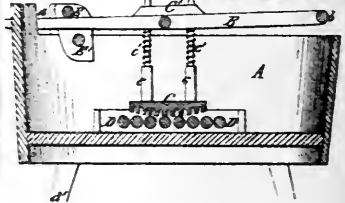
103,654. D. W. PUTT.  
APPARATUS FOR  
TEACHING STUDENTS THE USE  
OF TELE-GRAPHIC INSTRUMENTS



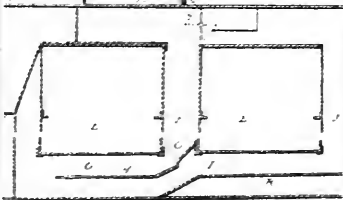
103,664. I. M. ROSE. SEWING-MACHINE  
NEEDLE FOR EMBROIDERING.



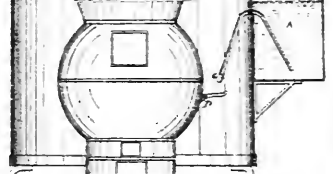
103,671. JOHN SIBBINE.  
WASHING-MACHINE.



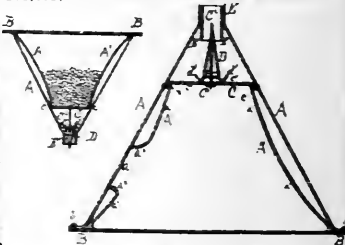
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COOKING-STOVE



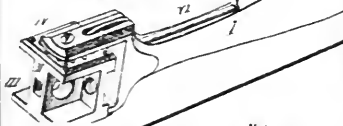
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APPARATUS TO EFFECT THE  
HYDRATION OF AIR IN HEATED  
APARTMENTS.



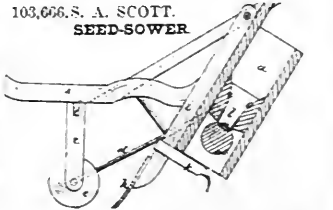
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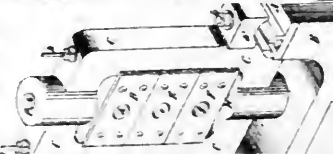
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WRENCHES



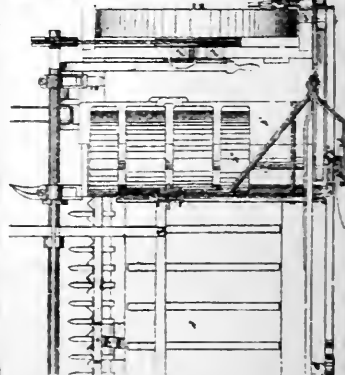
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SEED-SOWER



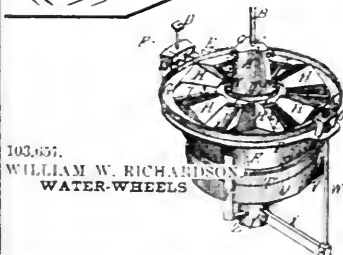
103,667. GEO. H. SELLERS.  
HYDRAULIC HOUSINGS FOR ROLLS



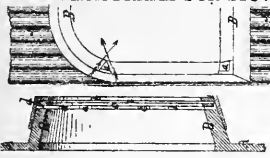
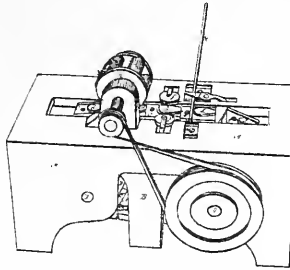
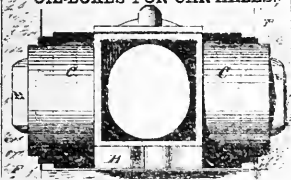
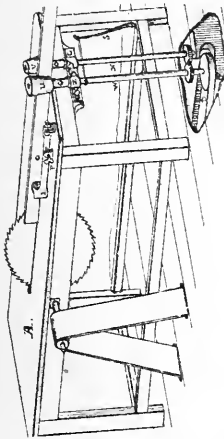
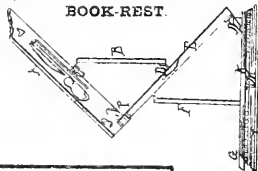
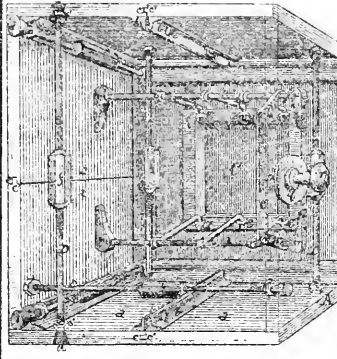
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GRAIN BINDER



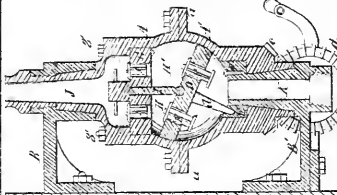
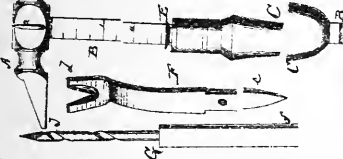
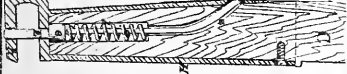
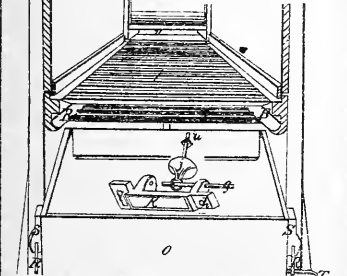
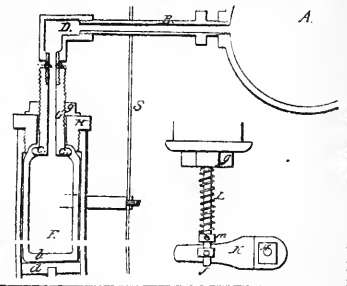
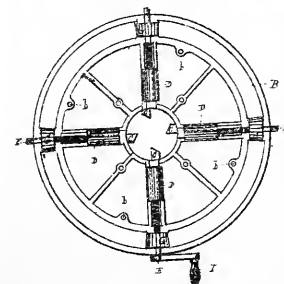
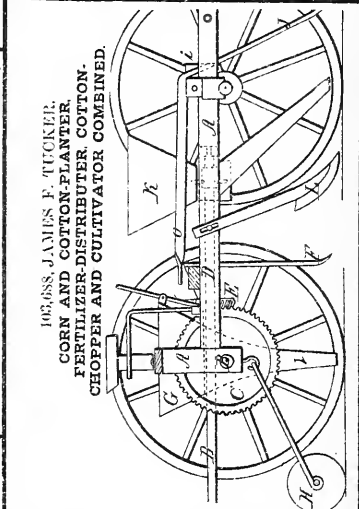
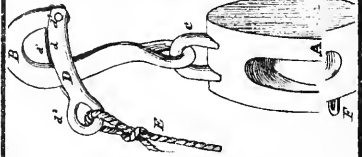
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WILLIAM W. RICHARDSON.  
WATER-WHEELS



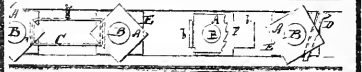
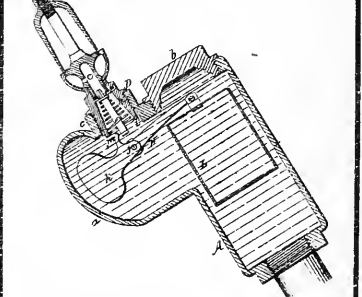
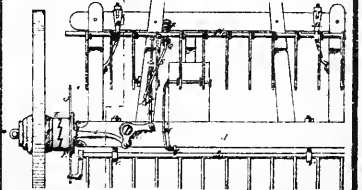


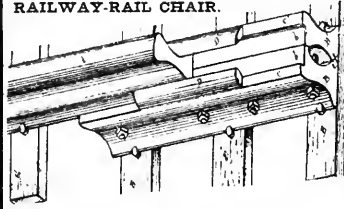
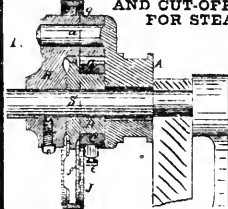
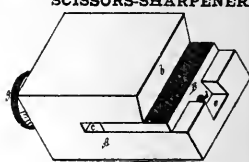
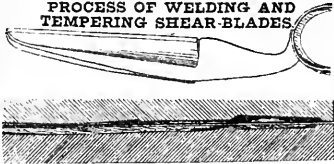
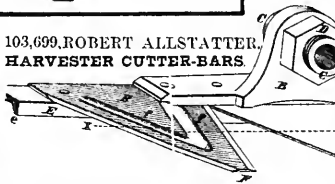
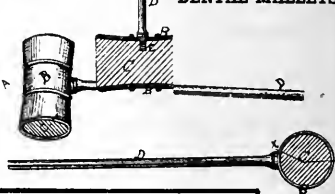
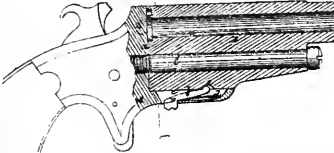
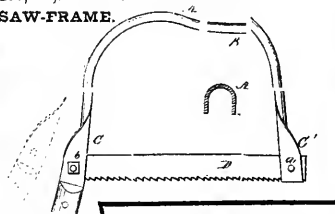
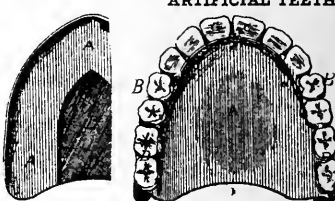
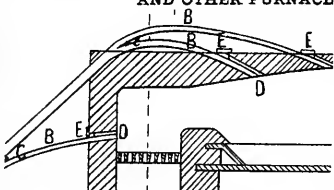
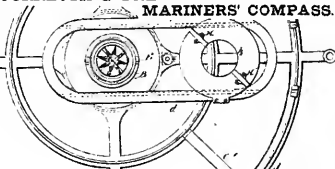
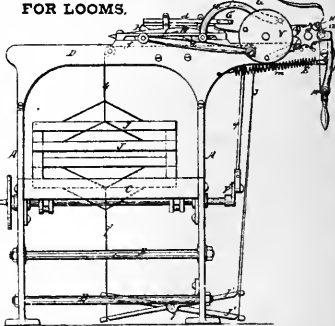
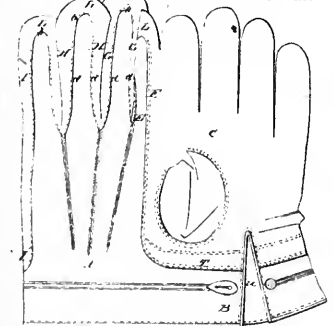
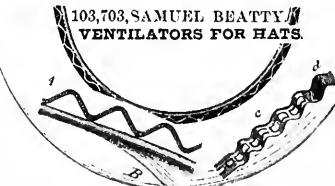
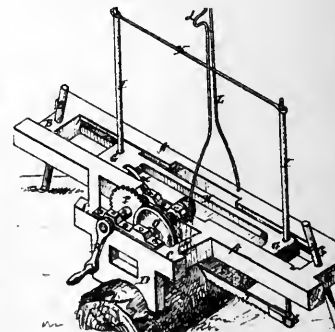
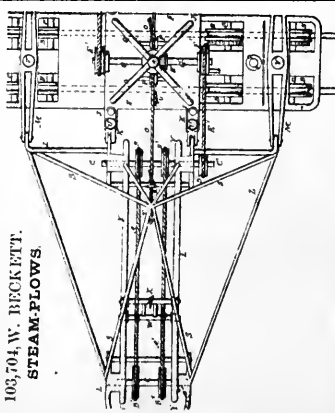
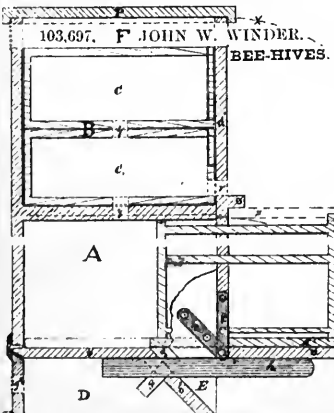
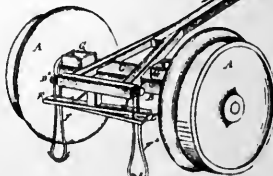
103,674, GAYLORD SHARP STANDARD.  
MICA-FRAME FOR STOVES.103,675, JAMES T. STEWART.  
MEDICAL COMPOUND.103,676, TIMOTHY B. STEWART.  
OIL-BOXES FOR CAR-AXLES.103,677, NICHOLAS STILWELL.  
SAWING-MACHINE.103,682, CORNELIUS SULLIVAN.  
BOOK-REST.103,683, T. J. SULLIVAN.  
SAFES AND VAULTS.

103,684, THOMAS SWAN. ROTARY PUMPS.

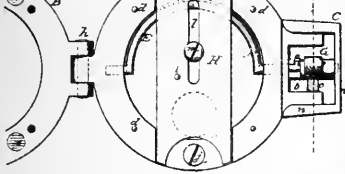
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COMBINATION TOOL.103,679, MELVIN STONE.  
SAFETY WHIFFLETREE.103,680, ORRIN STONE.  
GRAIN-SEPARATORS.103,681, J. G. STOWE.  
MACHINE FOR MAKING HORSESHOES.103,686, WILLIAM TAYLOR.  
STOVE-PIPE DAMPER.103,687, HENRY THOMPSON.  
TACKLE-HOOKS.103,688, JAMES F. TUCKER.  
CORN AND COTTON-PLANTER.  
FERTILIZER-DISTRIBUTOR, COTTON-  
CHOPPER AND CULTIVATOR COMBINED.

103,689, ELYSSE B. VIDAL. LOCK-NUT.

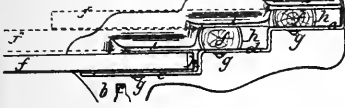
103,690, CHAS. S. WATSON. LOW-WATER  
INDICATORS FOR BOILERS.103,691, DAVID H. WEAVER.  
HORSE HAY-RAKES.

103,692, JOHN S. WEIMER.  
RAILWAY-RAIL CHAIR.103,693, D. A. WOODBURY. REVERSING  
AND CUT-OFF APPARATUS  
FOR STEAM-ENGINES103,705, NATHANIEL BELCHER.  
SCISSORS-SHARPENER103,693, HERMANN WENDT.  
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TEMPERING SHEAR-BLADES103,699, ROBERT ALLSTATTER.  
HARVESTER CUTTER-BARS103,706, JULIUS A. BIDWELL.  
DENTAL MALLETS103,694, F. WESSON  
BREECH-LOADING FIRE-ARMS103,700, EMANUEL ANDREWS.  
SAW-FRAME.103,707, JULIUS A. BIDWELL.  
ARTIFICIAL TEETH103,695, JAMES D. WHEPLEY  
JACOB J. STORER.  
FEEDING FUEL TO METALLURGIC  
AND OTHER FURNACES103,701, ARSON.  
CORRECTING THE DEVIATION OF THE  
MARINERS' COMPASS.103,708, ROBERT BLEAKIE.  
HARNESS-OPERATING MECHANISM  
FOR LOOMS.103,696, JOHN L. WHITTEN.  
GLOVES.103,702,  
J. S. ATTERBURY.  
THOMAS B. ATTERBURY.  
JELLY-GLASS.103,703, SAMUEL BEATTY.  
VENTILATORS FOR HATS.103,709, GEORGE W. BOLL.  
SAWING-MACHINES.103,697, F. JOHN W. WINDER.  
BEE-HIVES.103,704, W. BECKETT.  
STEAM-PLOWS.WILLIAM C. BOMAR.  
ANDERSON TROXLER.  
103,710, RAILROAD-TIE LIFTERS.

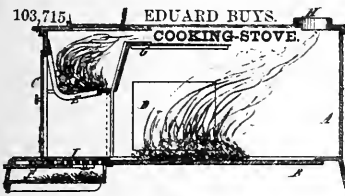
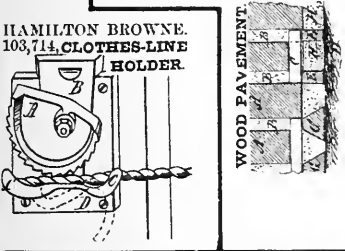
103,711, FREDERICK BRACKETT. LOCKS FOR SECURING REVENUE-STAMPS ON BEER-BARRELS.



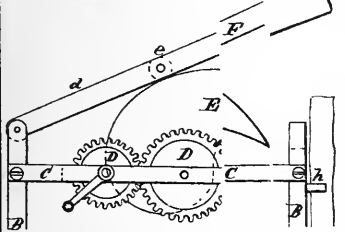
103,712, JOSHUA BRIGGS. CLOTHES-DRIER.



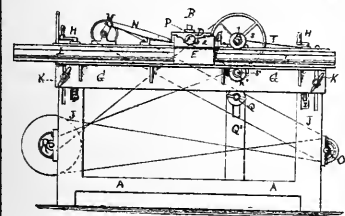
JOHN W. BROCKLEBANK. GEORGE W. TUBBS 103,713.



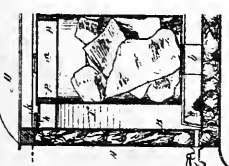
PORTABLE FENCE-POST DRIVER. 103,716, WM. CARNS.



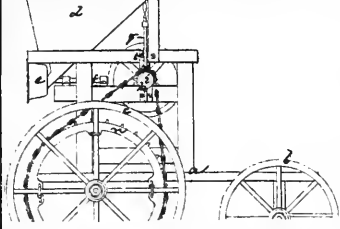
103,717, FRANK G. CHAPMAN. MACHINE FOR SAND-PAPERING MOLDINGS.



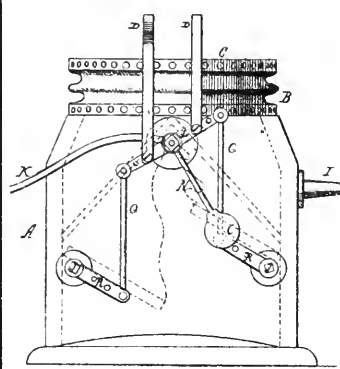
WILLIAM S. COBBE. WATER-COOLER. 103,718.



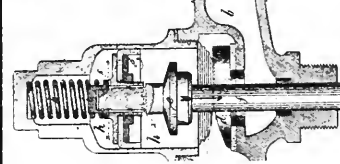
103,719, J. H. COLE. WHEEL-CARRIAGE SEED-SOWERS.



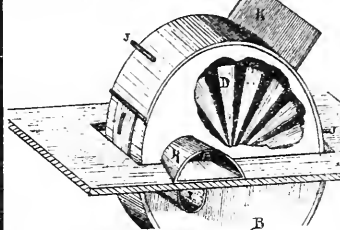
103,720, JOHN F. CORY. BLACKSMITHS' BELLOWS.



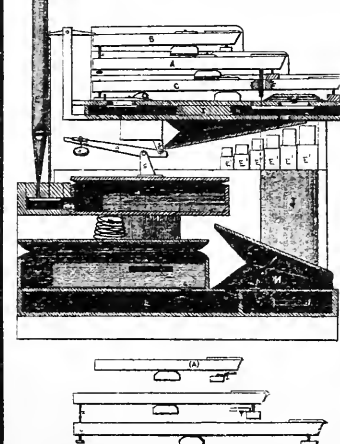
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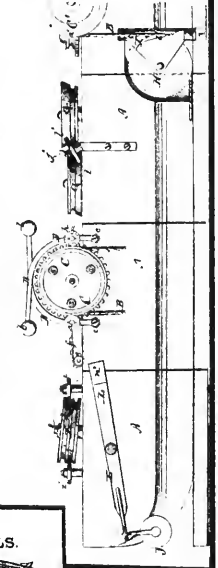
103,722, H. A. CURTIS. RAILROAD CAR-VENTILATOR.



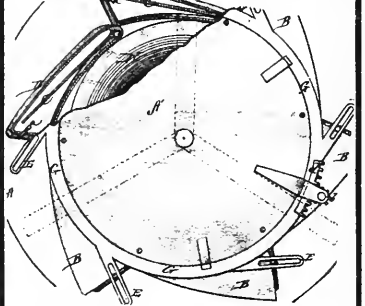
103,723, CHAS. H. DAVIE. WILLIAM JACKSON. ORGANS.



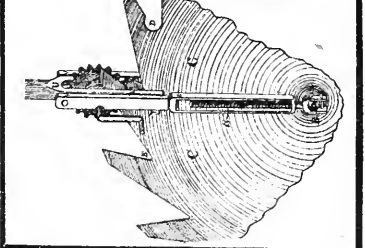
103,724, M. EYTH. MACHINERY FOR TOWING CANAL-BOATS.



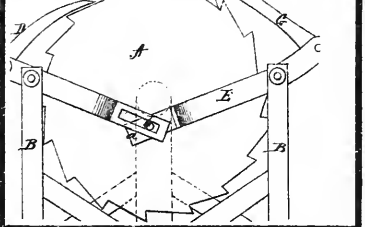
E DOUGHERTY. WATER-WHEELS. 103,725.



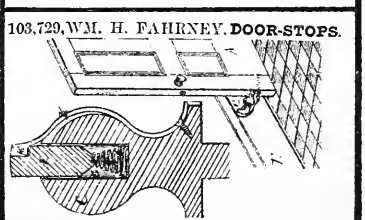
103,726, ANSON B. DOUGLAS. SAW-GUMMERS.



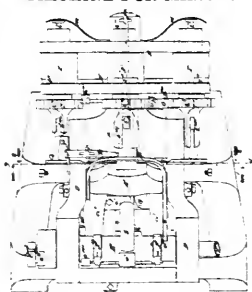
103,727, WM. T. ELLIOTT. RATCHET-POWER.



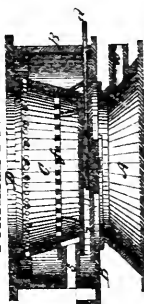
103,728, H. ENDEMANN, M. D. PREPARING AND PRESERVING MEAT.



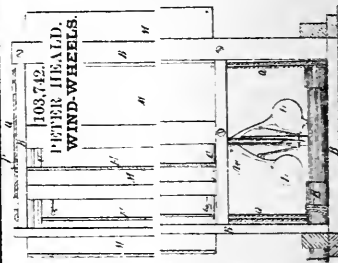
103,730. DAVID J. FARMER.  
MACHINE FOR MAKING NAILS.



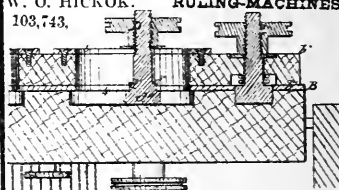
103,736.  
SETH GREGORY.  
PORTABLE FURNACE.



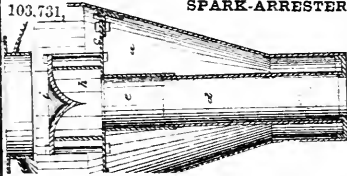
103,737. THOS. W. GRINTER.  
FOUNTAIN-PENS.



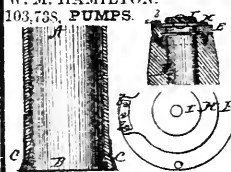
W. O. HICKOK. RULING-MACHINES.  
103,743.



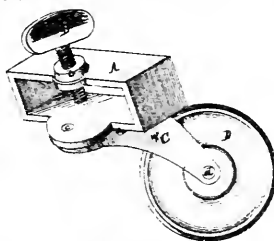
BENJAMIN P. FREEMAN.  
PAT. PAYTON.  
103,731. LOCOMOTIVE  
SPARK-ARRESTER.



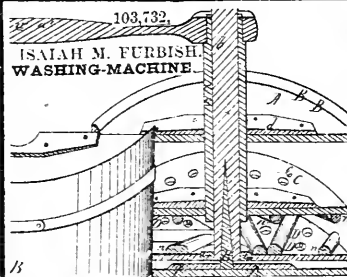
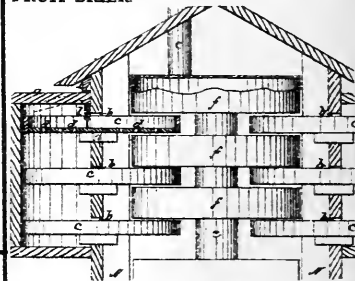
W. M. HAMILTON.  
103,738. PUMPS.



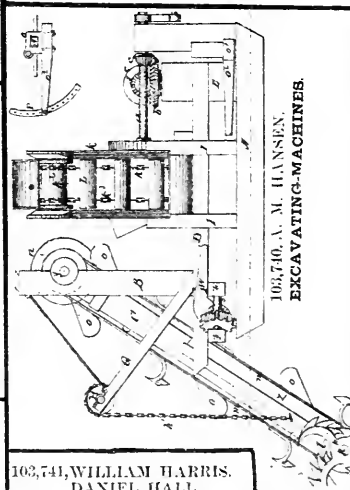
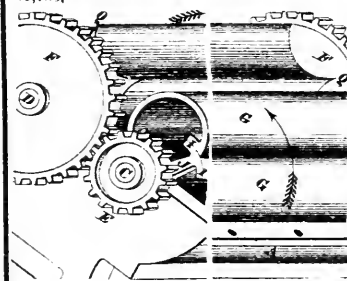
103,739. O. HANKS. TOOL-HOLDER.



103,744. J. HILDEBRAND  
FRUIT DRIER.

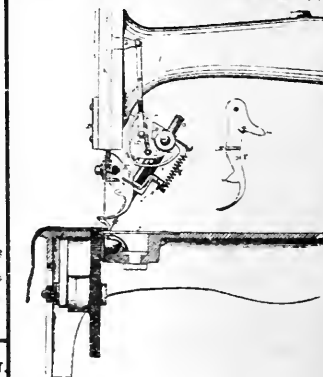


103,732.  
ISAIAH M. FURBISH.  
WASHING-MACHINE.

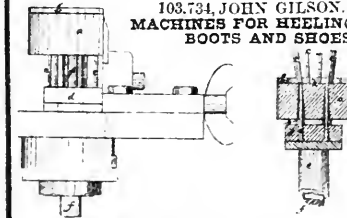


103,740. A. M. HANSEN.  
EXCAVATING-MACHINES.

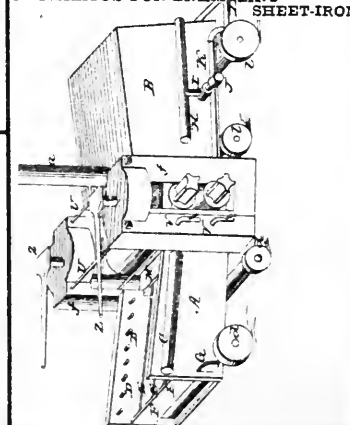
103,745. E. HOWARD AND  
W. H. JACKSON  
BUTTON HOLING AND OVERSEAMING  
ATTACHMENT FOR SEWING MACHINES.



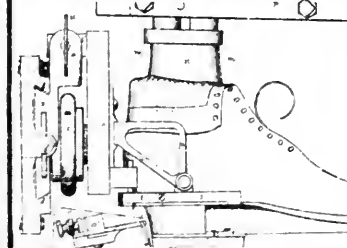
103,734. JOHN GILSON.  
MACHINES FOR HEELING  
BOOTS AND SHOES



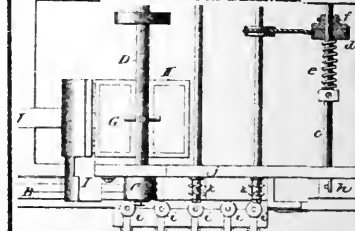
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DANIEL HALL.  
APPARATUS FOR ENAMELING  
SHEET-IRON.



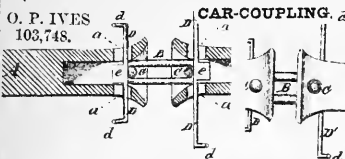
103,735. CHARLES W. GLIDDEN.  
MACHINE FOR HEELING BOOTS.



103,746. PHILIP HUFELAND.  
MACHINE FOR GROOVING  
LEAD-PENCIL BLANKS.

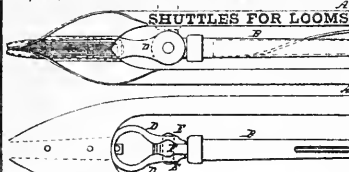


103,747. FRANKLIN TRUMAN HUNTOON.  
COMPOUND FOR CLEANING CLOTH  
AND OTHER FABRICS

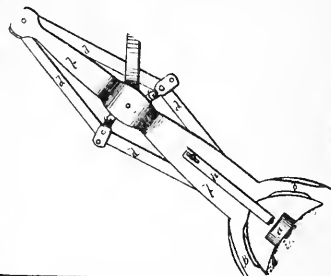
O. P. IVES  
103,748.

CAR-COUPLING.

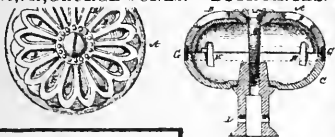
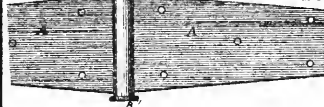
103,757, JOSEPH LOFVENDAHL.



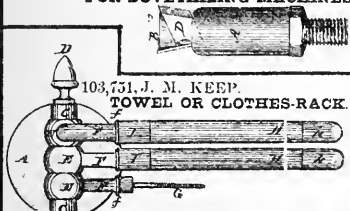
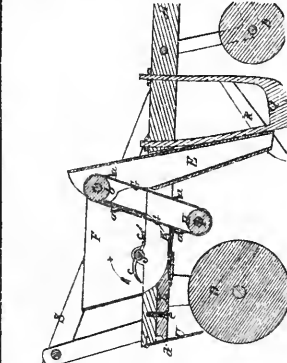
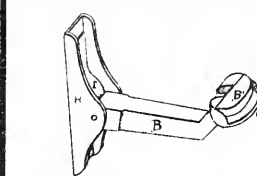
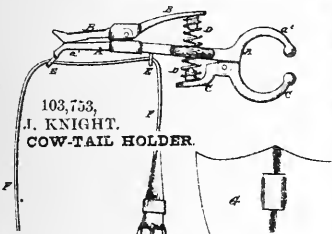
SHUTTLES FOR LOOMS.

103,765, THOS. W. H. MOSELEY.  
TUBULAR-ARCH BRIDGES

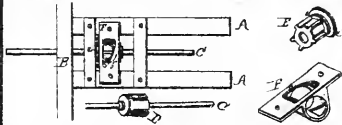
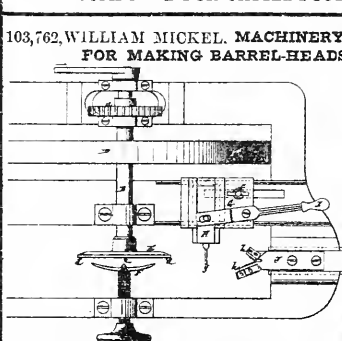
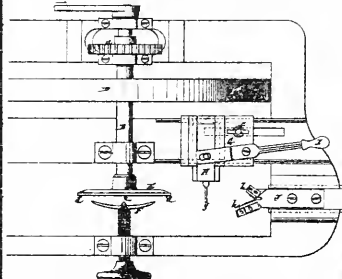
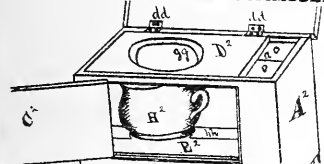
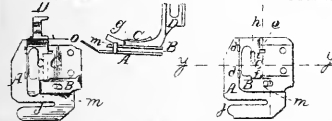
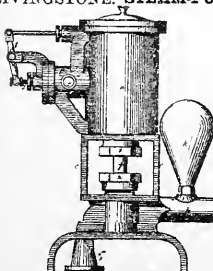
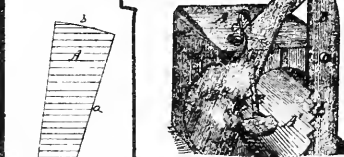
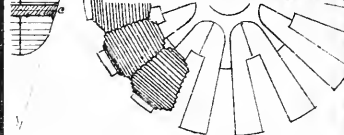
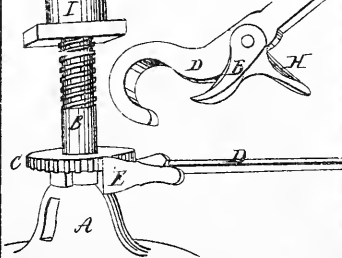
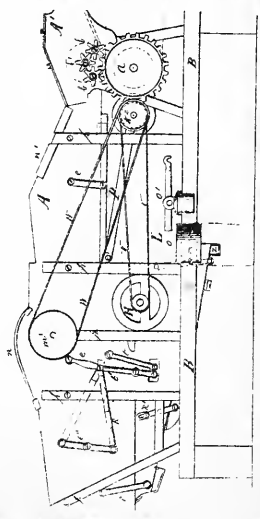
103,749, GEORGE JONES. DOOR-KNOBS.

103,758, DAVID W. LONG.  
HINGES.

DEDRICK JORDAN.

103,750. CUTTERS  
FOR DOVETAILING-MACHINES103,751, J. M. KEEP.  
TOWEL OR CLOTHES-RACK.103,759, JAMES LYTCH.  
COTTON-SEED PLANTERS.103,766, CHARLES K. OSBORN.  
SHUTTER-FASTENERS.103,752, J. M. KEEP.  
TWINE-HOLDER.103,753,  
J. KNIGHT.  
COW-TAIL HOLDER.

103,760, F. H. MANNY. SEED-SOWER.

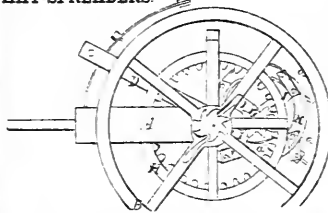
103,761, WM. MARSDEN.  
COMPOUND FOR CATTLE-FOOD.103,762, WILLIAM MICKEL. MACHINERY  
FOR MAKING BARREL-HEADS.103,754, X  
JOSEPH C. KNOWLES.  
CRICKET AND COMMODE.103,755, ARTHUR M. LESLIE. RUFFLING  
ATTACHMENT FOR SEWING-MACHINEWILLIAM LIVINGSTONE. STEAM-PUMP.  
103,756,D. J. OWEN  
103,767.  
ANIMAL TRAP.103,768, HENRY M. PAINE.  
SECTOR ELECTRO-MAGNETS103,763, HENRY W. MILLAR.  
RATCHET-LEVER.103,764, GARDNER C. MILLER.  
HAND PUNCHING-MACHINE.103,769, F. W. PAMPEL.  
THRASHING-MACHINES.



103,770, EDWARD W. PARISH.  
INNER SOLE FOR BOOTS AND SHOES.



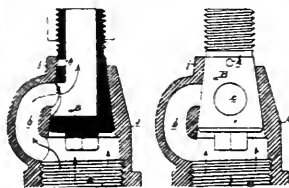
103,771, HENRY L. PERKINS.  
HAY-SPREADERS.



103,772, MANASSEH PETTENGILL.  
METAL TIPS FOR BOOTS AND SHOES.



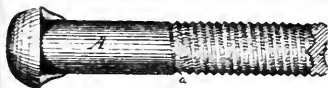
103,773, SOLOMON PFLEGER.  
VALVE-COCKS FOR HYDRANTS.



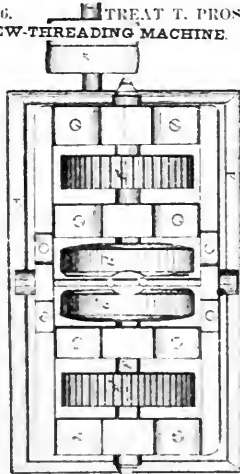
103,774, HIRAM PLUMB.  
APPARATUS FOR PLAYING GAMES.



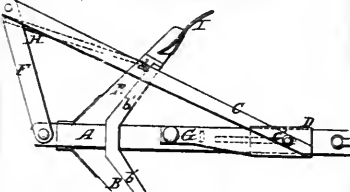
103,775, TREAT T. PROSSER.  
NUT-LOCK BOLT.



103,776, TREAT T. PROSSER.  
SCREW-THREADING MACHINE.



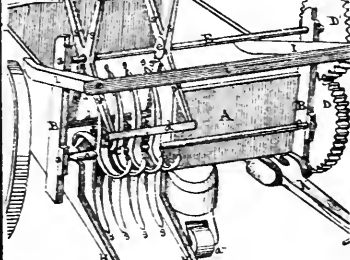
103,777, W. S. RABB, PLOWS.



103,778, FREDERIC W. RHINELANDER.  
CAR-SPRINGS.



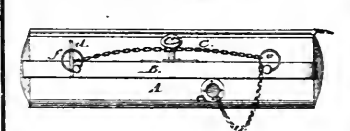
JACOB E. RICE, CORN-HARVESTER.



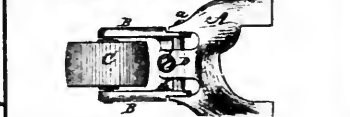
103,780, ROBINSON BUTTER.  
NUT-LOCKING WASHERS.



103,781, J. B. SARGENT.  
LOCK FOR TRAVELING-BAGS.



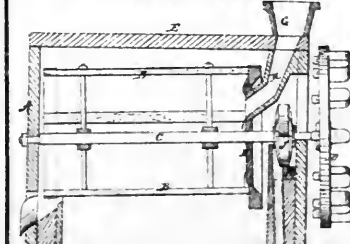
103,782, JOSEPH B. SARGENT.  
SEWING-MACHINE CASTERS.



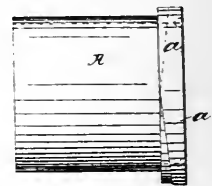
103,783, Z. E. SAWTELLE.  
PULLEYS FOR WINDOW-SASH.



103,784, LOUIS C. A. SCHMIDT.  
FLOUR-BOLTING APPARATUS.



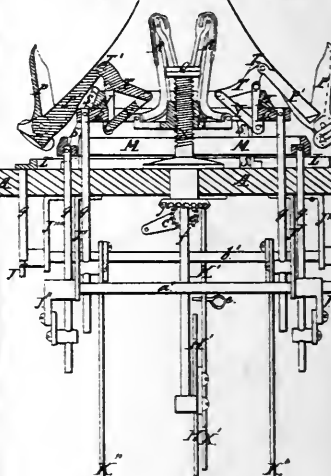
103,785, GEO. SEWELL, HOSE-COUPPLINGS.



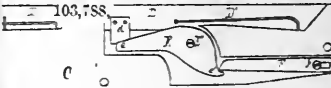
103,786, HENRY I. SEYMOUR.  
CONSTRUCTION OF CHAIRS.



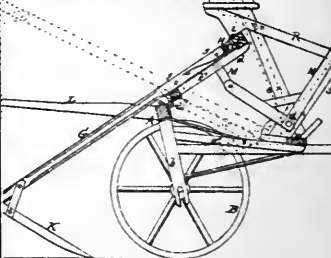
103,787, JULIUS SHELTON.  
HAT-BLOCKING MACHINES.



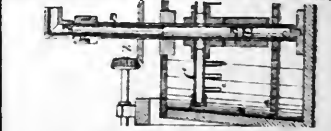
MILES H. SKIFF, WEATHER-STRIP.



103,789, SOLOMON P. SMITH.  
HORSE HAY-RAKES.



103,790, LUKE S. SNEDIKER.  
APPARATUS FOR RECTIFYING SPIRITS.



103,791, W. C. SPELLMAN, BROOM-HEAD.

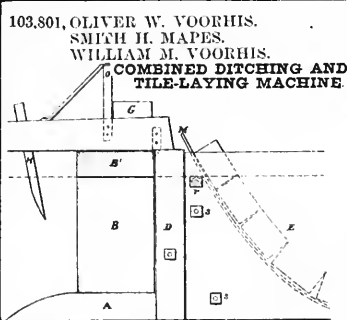


**BOOT AND SHOE HEELING MACHINE.**  
103,792, WM. F. SPINNEY.



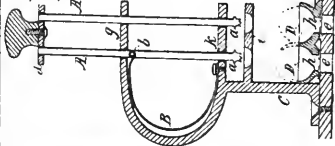
103,799. C. TOPPAN.  
**TREATING FABRICS TO RENDER THEM  
WATER PROOF.**

103,800, WM. P. VAN DEURSEN.  
**COMPOSITION FOR  
EXTINGUISHING FIRES.**

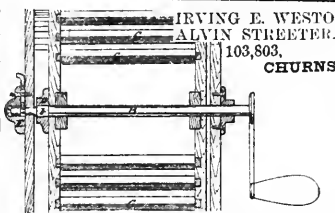


103,801, OLIVER W. VOORHIS.  
SMITH H. MAPES.  
WILLIAM M. VOORHIS.  
**COMBINED DITCHING AND  
TILE-LAYING MACHINE**

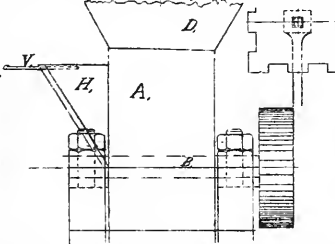
JOHN N. WEBSTER. CHERRY-STONER.  
103,802.



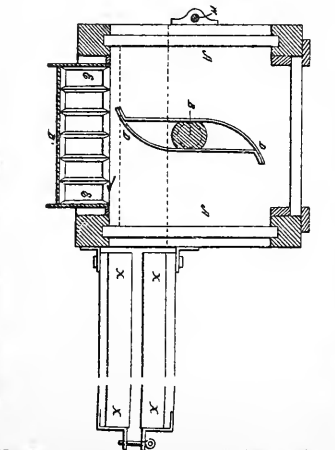
IRVING E. WESTON.  
ALVIN STREETER.  
103,803.  
**CHURNS.**



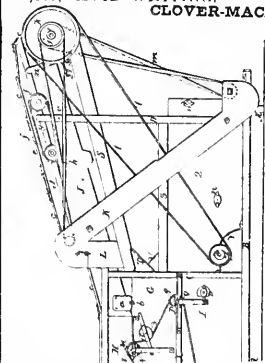
103,804, JAMES D. WHELPLEY.  
JACOB J. STORER.  
**FEEDING PULVERIZED FUEL TO  
METALLURGIC AND OTHER FUR-  
NACES.**



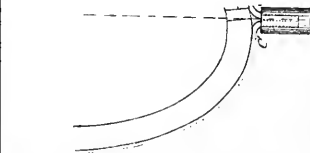
103,805, FRANKLIN WHITCOMB.  
**BRICK-MACHINE**



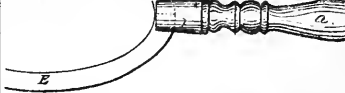
103,806, DAVID WHITING.  
**CLOVER-MACHINES.**



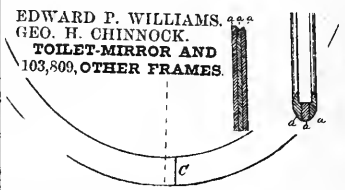
103,807, EDWARD P. WILLIAMS.  
GEO. H. CHINNOCK.  
**HAND TOILET-MIRROR FRAME.**



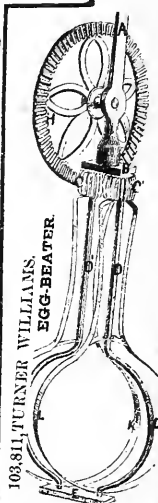
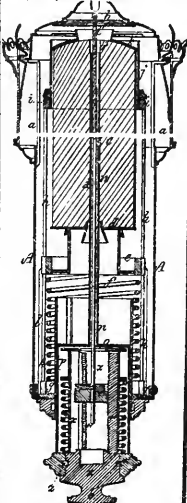
103,808, EDWARD P. WILLIAMS.  
GEO. H. CHINNOCK.  
**HAND TOILET-MIRROR FRAME.**



EDWARD P. WILLIAMS.  
GEO. H. CHINNOCK.  
**TOILET-MIRROR AND  
103,809, OTHER FRAMES.**

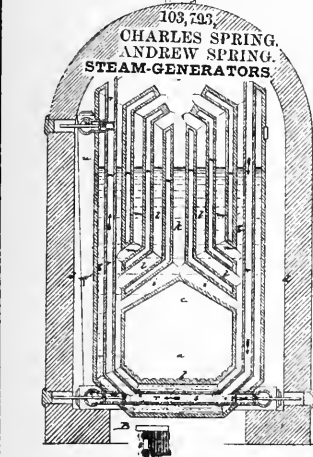
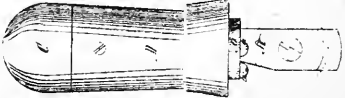


THOMAS SCOTT WILLIAMS.  
FREEMAN AUGUSTUS TABER  
103,810, **CANDLE-LAMPS.**



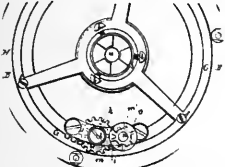
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**EGG-BEATER**

103,812, RICHARD A. WOODBERRY.  
**HANDLE FOR "EDGE-KEYS."**

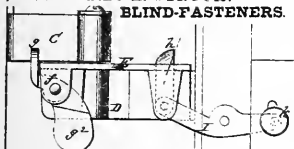


103,793.  
CHARLES SPRING.  
ANDREW SPRING.  
**STEAM-GENERATORS**

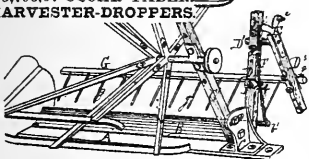
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**TURBINE WATER-WHEELS.**



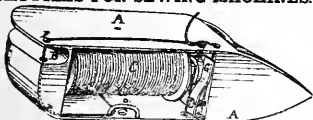
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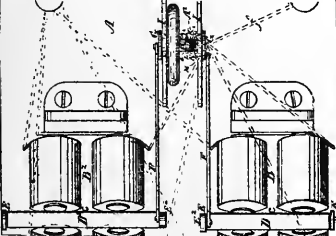
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**HARVESTER-DROPPERS**

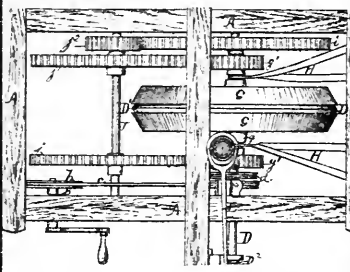
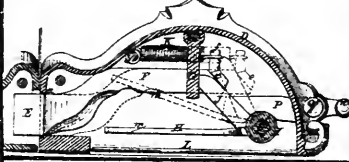
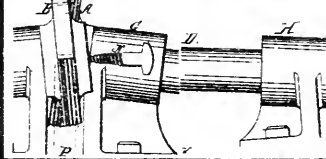
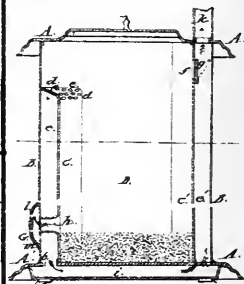


103,797, WM. H. THAYER.  
**SHUTTLES FOR SEWING-MACHINES.**

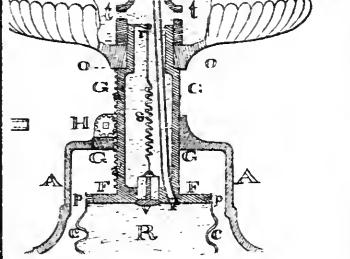


103,798, J. P. TIRRELL.  
**ELECTRO-MAGNETIC ENGINES.**

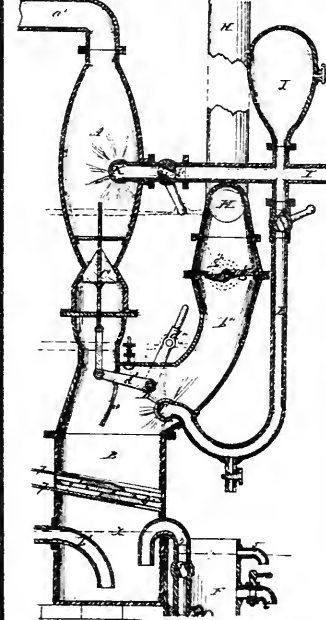
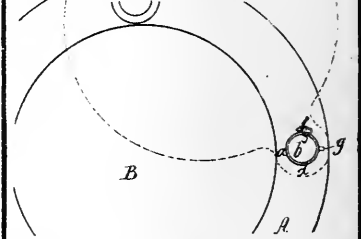
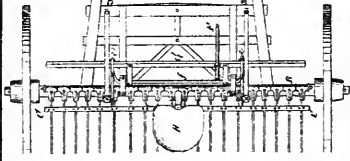


103,813. AMOS W. WOODWARD.  
WATER-GOVERNOR.103,819. JOHN H. VICKERS.  
DOOR-LATCHES.3,998. JOHN COCHRANE.  
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SCREW THREADS UPON METAL BOLTS.4,004. JOHN M. FRENCH.  
HEATING-STOVE.4,003. GEORGE C. TAPT.  
TAUT TWINE-CUTTER.

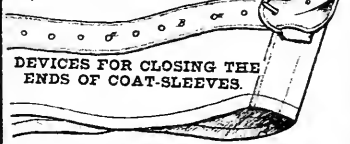
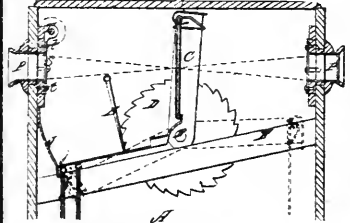
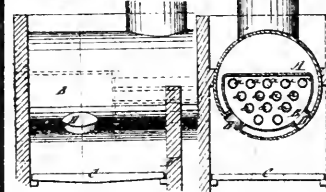
103,814. ARTHUR P. YATES. FOUNTAINS.



3,999. JOHN HOUTT. STEAM-CONDENSERS.

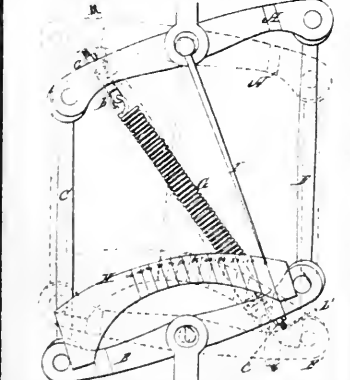
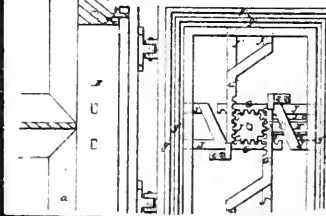
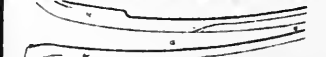
4,005. M. T. HITCHCOCK.  
CAR-VENTILATOR.4,006. D. G. LITTLEFIELD.  
COVER FOR STOVES.103,815. ELI ZIMMERMAN.  
HORSE HAY-RAKES.

103,816. HENRY F. HERKNER.

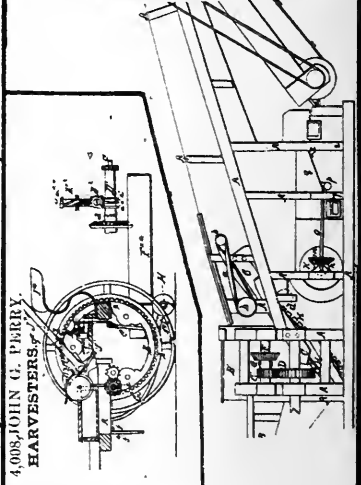
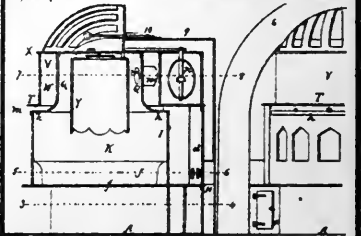
DEVICES FOR CLOSING THE  
ENDS OF COAT-SLEEVES.103,817. SILAS T. JENNINGS.  
BOX STEREOSCOPES.4,000. WILLIAM LOWE.  
STEAM-GENERATORS.

103,818. ANDREW MORSE.

SPRING WEIGHING APPARATUS.

4,001. F. H. WILLIAMS.  
CONSTRUCTION OF SAFES.4,002. MARY P. CARPENTER.  
NEEDLE FOR SEWING-MACHINE.

4,007.

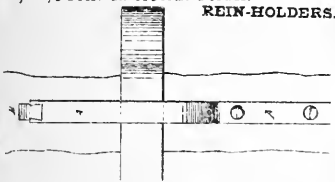
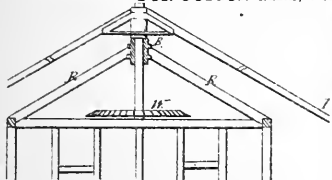
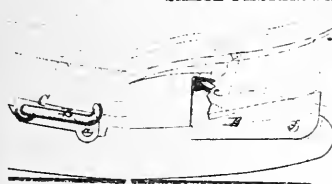
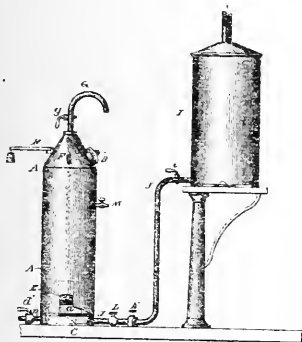
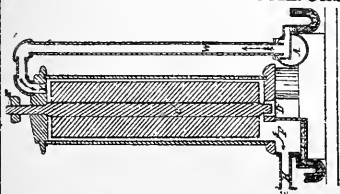
J. O'FERRALL AND T. L. DANIELS.  
THRASHING MACHINE.DAVID STUART.  
RICHARD PETERSON.  
SCREENS FOR BASE-BURNING  
FIRE-PLACE HEATERS.

## ILLUSTRATIONS OF PATENTS

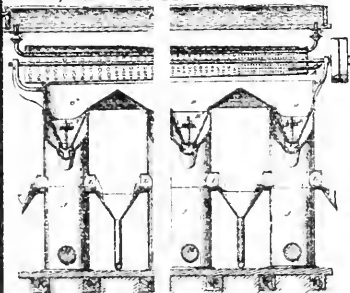
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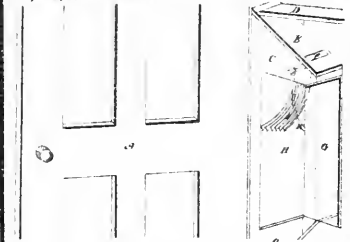
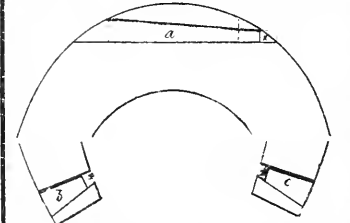
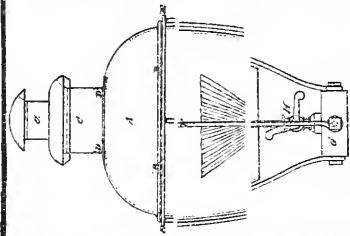
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103,820, JOHN R. ACHENBACH.  
REIN-HOLDERS.103,821, JAS. M. ALBERTSON.  
CONSTRUCTION OF HORSE-POWER  
FOR COTTON-GINS, &c.103,822, THOMAS ALMOND.  
SKATE FASTENING103,823, JOHN H. ARCHER.  
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FROM RENDERING-TANES.103,824, AVERY RABBITT.  
WILLIAM W. BINNY.  
CONDENSERS FOR THE  
MANUFACTURE OF COAL-GAS.

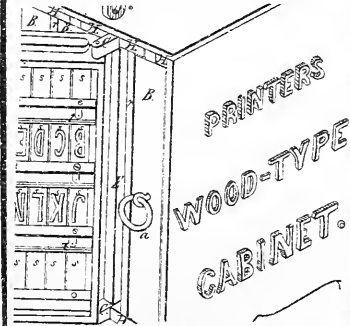
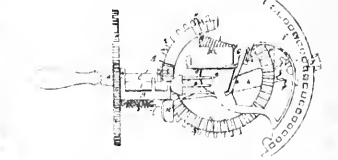
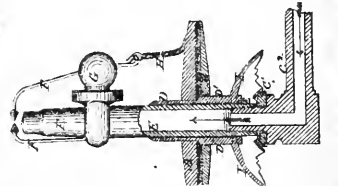
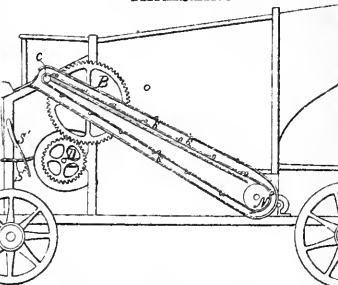
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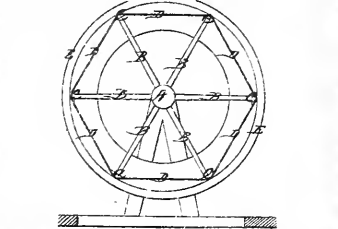
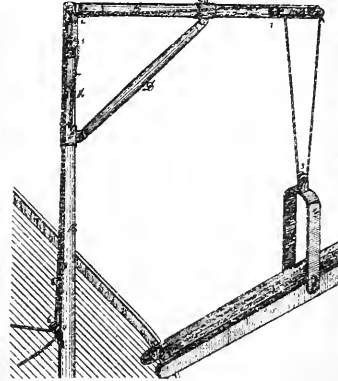
103,826, C. R. BANCROFT. LETTER-BOXES

103,827, J. D. BARNUM.  
CALKS FOR HORSESHOES103,828, JOSEPH W. BARTLETT.  
LANTERNS FOR STREETS.

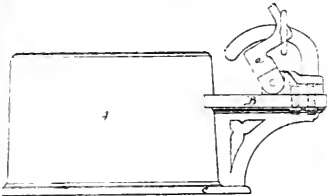
103,829, C. BASSETT. TYPE-CABINETS.

103,830, ASAHEL G. BATCHELDER.  
MACHINE FOR PARING  
FRUIT AND VEGETABLES.103,831, W. W. BATCHELDER.  
APPARATUS FOR LIGHTING  
GAS BY ELECTRICITY.103,832, D. C. BAUGHMAN.  
THRASHING-MACHINES.

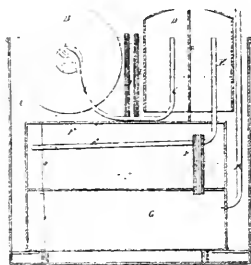
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103,834, HANNIBAL S. BLOOD.  
DERRICK OR HOISTING-CRANE.

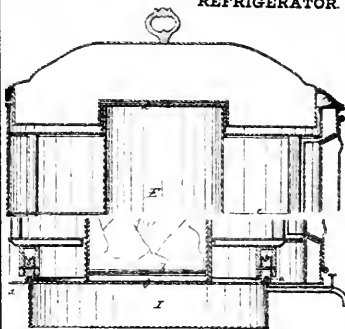
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POST FOR PEGGING-JACKS.



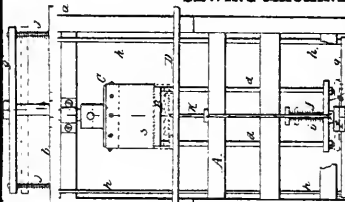
103,836, DAVID BOYLE.  
PNEUMATIC GAS-MACHINES.



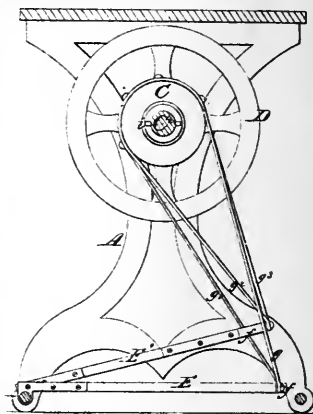
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REFRIGERATOR.



103,843, JAMES CHASE.  
SAWING-MACHINE.



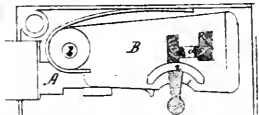
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MOVEMENT FOR SEWING MACHINES.



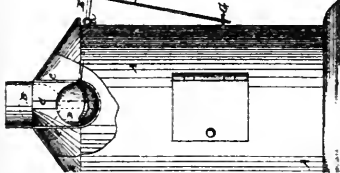
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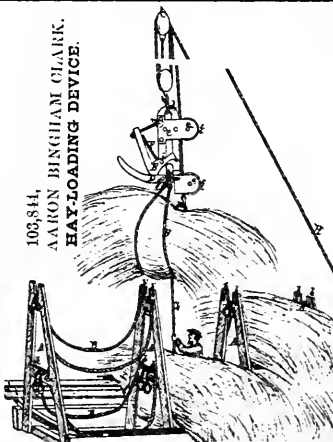
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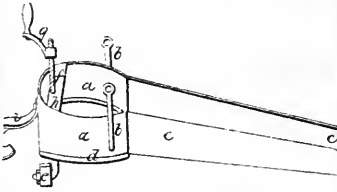
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LEMUEL SALLADEY.  
RAILROAD-CAR STOVE.



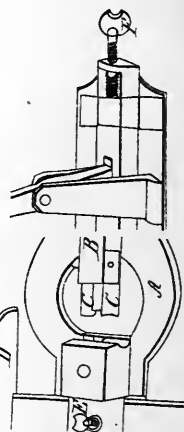
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AARON BINGHAM CLARK.  
HAY-LOADING DEVICE.



103,845, DAVID COPE. CASE-FILLERS.



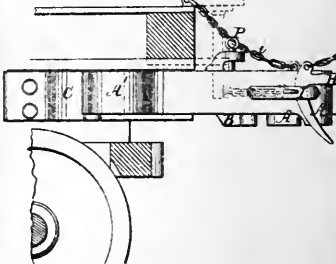
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MACHINE FOR TRIMMING BLIND-RODS.



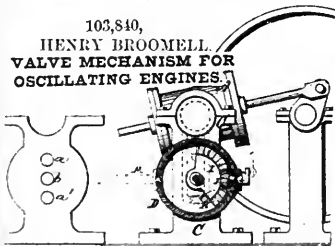
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JOHN W. DAYTON.  
ROSETTES.



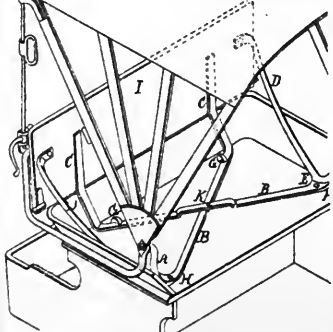
103,850, T. W. DEFREES.  
CAR-COUPPLINGS.



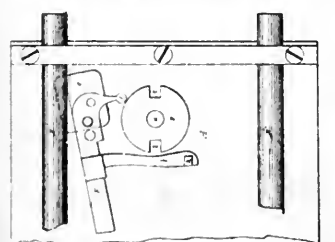
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HENRY BROOMELL.  
VALVE MECHANISM FOR  
OSCILLATING ENGINES.



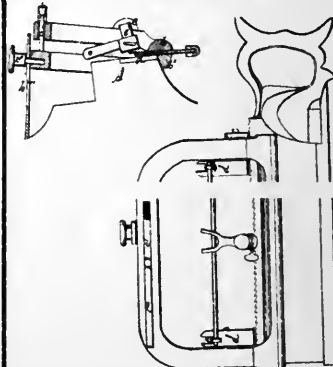
103,846, A. MORRELL CORY, M. D.  
BUGGY-TOP BEDS.



103,841, STEPHEN J. BURTON.  
BOLTING DEVICES FOR SAFES.



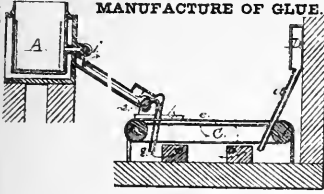
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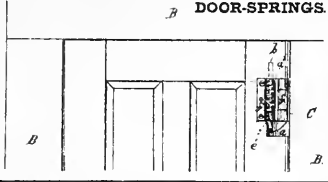
103,852, ANDREW DIETZ.

MANUFACTURE OF GLUE.



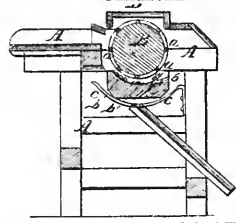
103,853, JOHN T. FOLWELL.

DOOR-SPRINGS.



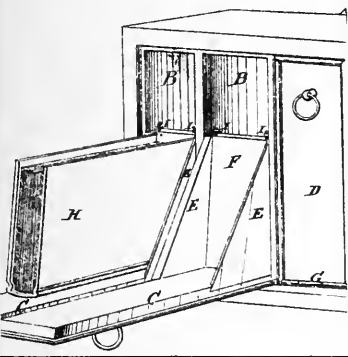
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THRASHING-MACHINE.



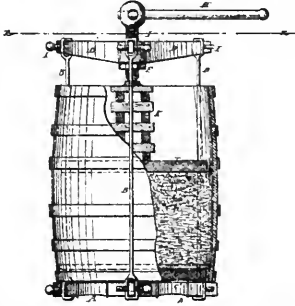
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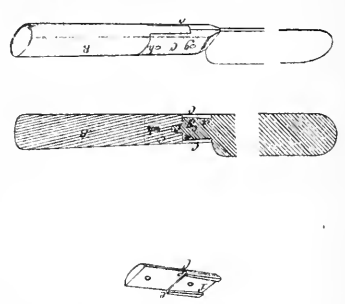
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PORTABLE TOBACCO-PRESS.



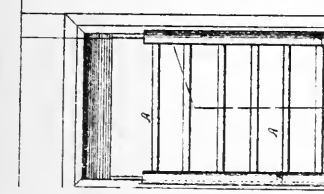
103,867, J. W. GARDNER.

ATTACHING HANDLES TO CUTLERY.



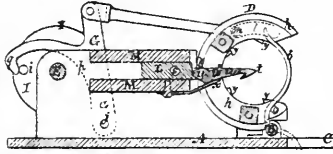
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WINDOW-BLINDS.



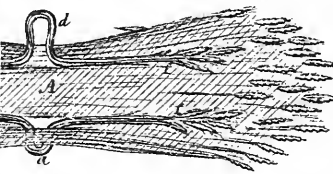
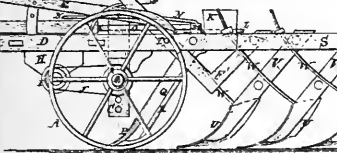
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MACHINE FOR BINDING GRAIN.



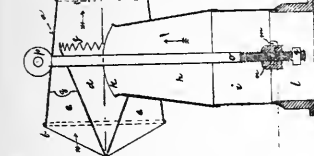
103,862, T. FOWLER.

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103,855, J. P. EDDLEMAN, COMBINED  
SOWER PLANTER CULTIVATOR  
SCRAPER AND GANG-FLOW.

103,856, JACOB EDSON.

VENTILATOR OR COWL.



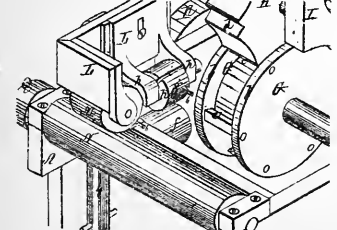
103,857, PHILIPP M. ERNST.

INSOLE FOR BOOTS AND SHOES.



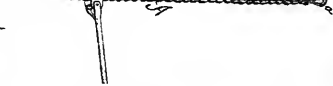
103,858, LUTHER W. FELT.

SPINNING-MACHINES.



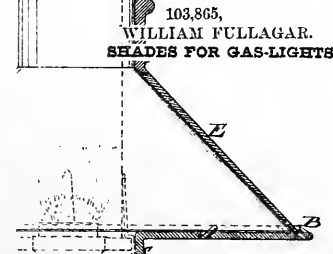
103,864, HENRY S. FROST.

UMBRELLA-RIBS.

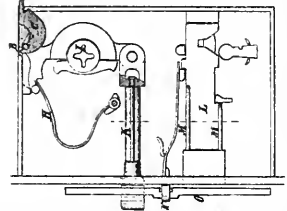


103,865, WILLIAM FULLAGAR.

SHADES FOR GAS-LIGHTS.

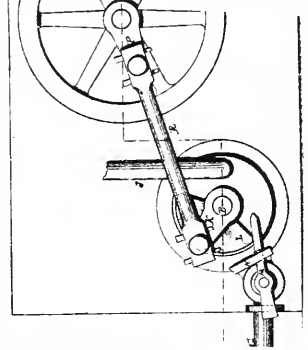


103,863, JOHN GERARD. LOCKS.

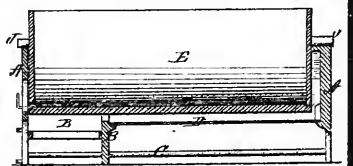


103,869, SAM'L D. GILSON.

ROTARY ENGINE.

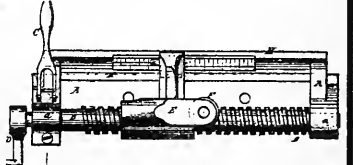


103,870, MYRON GORE. BOILERS.

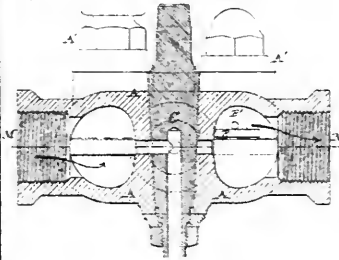


103,871, CYRUS E. GRANDY.

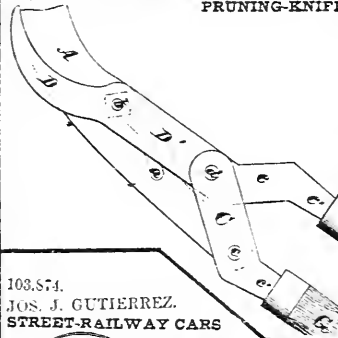
HEAD-BLOCKS FOR SAW-MILLS.



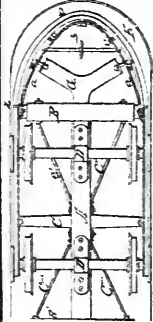
103,872, D. A. GREENE. CHECK-VALVES



103,873, MANASSEH GROVER. PRUNING-KNIFE.



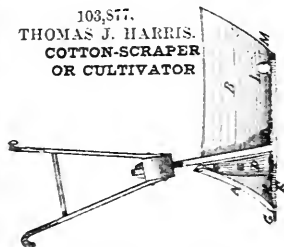
103,874, JOS. J. GUTIERREZ. STREET-RAILWAY CARS



103,875, THOMAS S. HALL. ELECTRO-MAGNETIC SIGNAL APPARATUS FOR RAILROADS

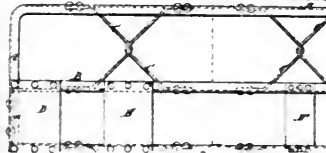


103,876, H. J. HAMILTON. COMPOUND TROCHE OF BUCHU



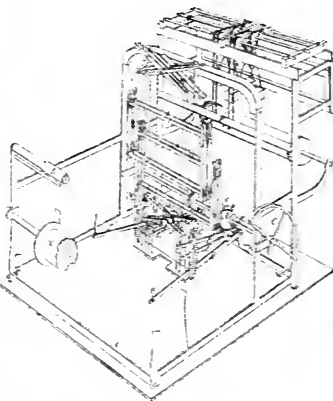
103,877, THOMAS J. HARRIS. COTTON-SCRAPER OR CULTIVATOR

103,878, BENJAMIN W. HEALEY. IRON TENDER-FRAME.

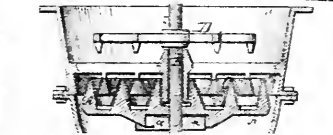


103,879, NICHOLAS HEINTZELMAN. PROCESS FOR MAKING MOLDS FOR CASTINGS OF ALTO-RELIEVO FIGURES.

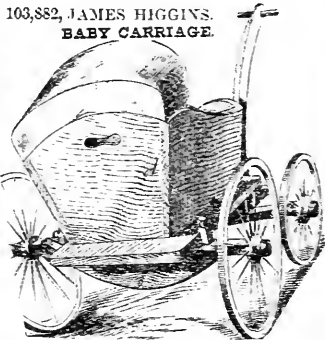
103,880, JOHN JACOB HERBERT. LOOMS.



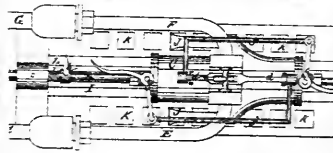
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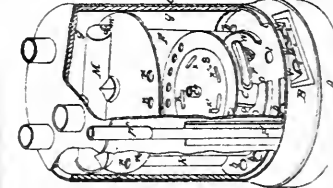
103,882, JAMES HIGGINS. BABY CARRIAGE.



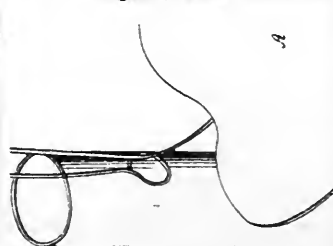
103,883, THOMAS HILL. STEAM-RAMS.



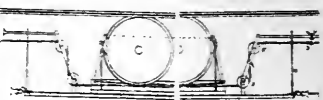
103,884, ROBERT HILLSON. HEATING-STOVE.



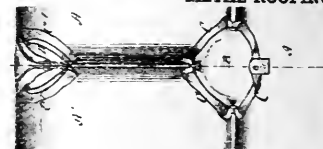
103,885, EDWARD W. HOLT. LAMP-SHADE SUPPORTERS.



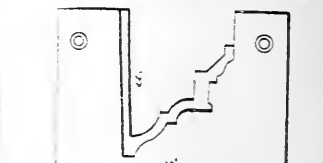
103,886, THOMAS HOPPER. HATFIELD HOPPER. CHANDLER C. COATS. RAILWAY CAR-BRAKES.



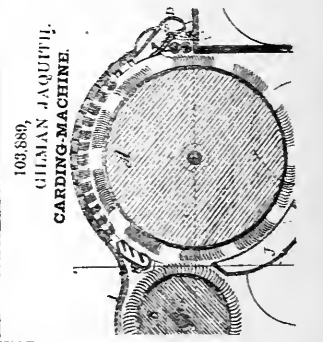
103,887, SEYMOUR HUGHES. METAL ROOFING.



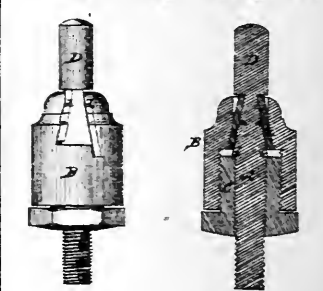
103,888, JAMES L. JACKSON. PATTERNS FOR CASTINGS.



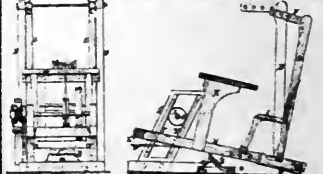
103,889, GILMAN JAQUITH. CARDING-MACHINE.

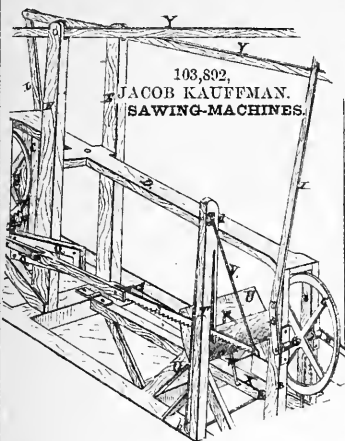


103,890, DEDRICK JORDAN. CUTTERS FOR WOOD-MOLDING MACHINES.



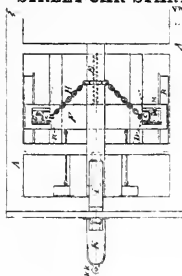
103,891, JOHN W. JORDAN. MOTIVE MECHANISM FOR SEWING-MACHINES.



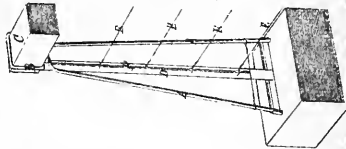


103,892,  
JACOB KAUFFMAN.  
SAWING-MACHINES.

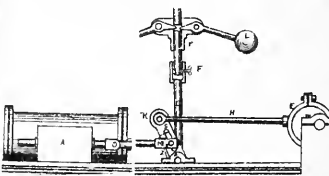
103,897, BENJAMIN LEPPER.  
STREET-CAR STARTERS.



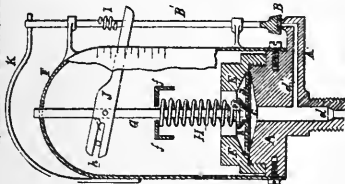
103,903, L. E. LOCKLING. FENCE.  
N. N. WHITAKER.



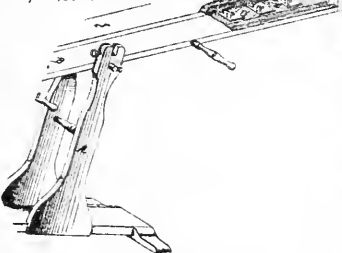
103,904, G. E. LONG.  
VARIABLE CUT-OFF VALVE-GEAR.



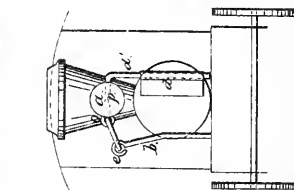
103,893, ARTEMAS A. KENT.  
PRESSURE-GAUGE AND SAFETY-VALVE.



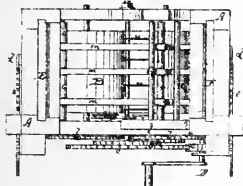
103,898, J. S. LEWIS. CHURNS.



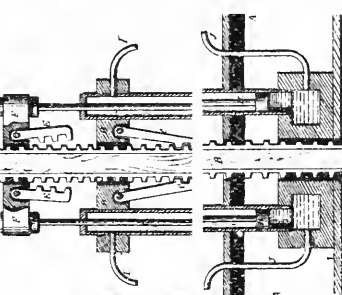
103,905, ROGER W. LOVE.  
LOCOMOTIVE HEAD-LIGHTS.



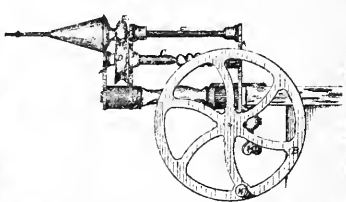
103,894, WILLIAM ANDERSON KERR.  
PRINTING-PRESSES.



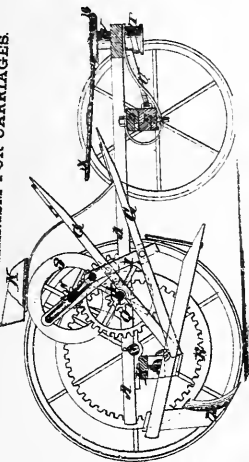
103,899, SAMUEL LEWIS.  
SUBMARINE DRILLING APPARATUS.



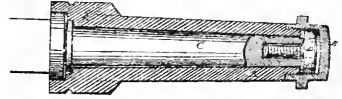
103,906, WM. H. MAIN.  
HAND-SPINNING MACHINE.



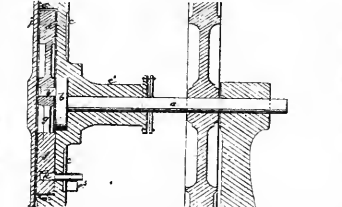
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GEORGE KILNER,  
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MOTIVE MECHANISM FOR CARRIAGES.



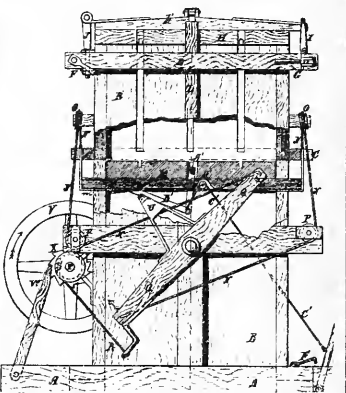
103,900, LOMAX LITTLEJOHN.  
CARRIAGE-AXLES.



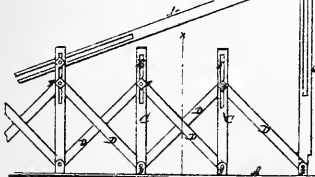
103,901, JOHN LOADER.  
PACKING FOR ROTARY ENGINES.



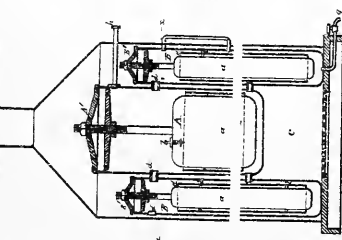
103,907, E. J. MARSTERS.  
BALING-PRESSES.



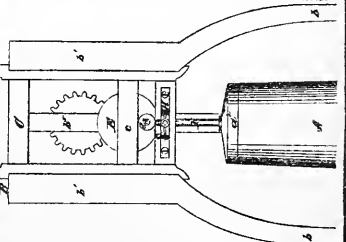
103,896, STEPHEN R. KIRBY.  
ADJUSTABLE CURVE FOR USE  
OF DRAUGHTSMEN.



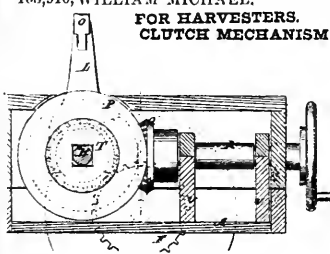
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WILLIAM HENRY CHILD.  
STEAM-GENERATORS.



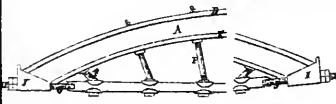
103,908, HAMILTON B. McFALL.  
CHURNS.



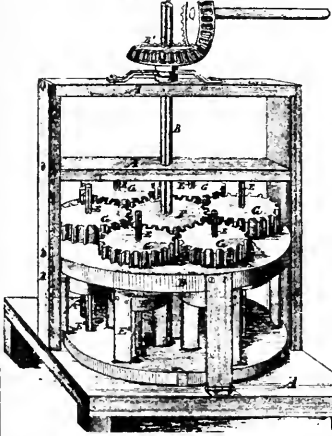
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GEO. W. LATIMER.  
PASTE FOR POLISHING METALS.



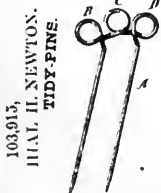
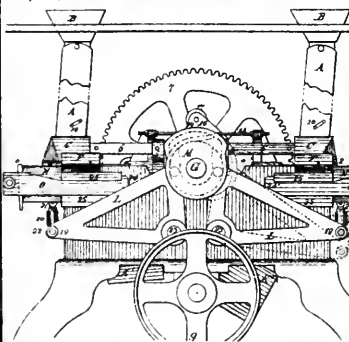
103,911, MAHLON MILLER.  
IRON BRIDGES



103,912, J. E. MITCHELL. MACHINE  
FOR CUTTING OUT GRINDSTONES.



103,913, T. M. MITCHELL. FUEL-PRESS.

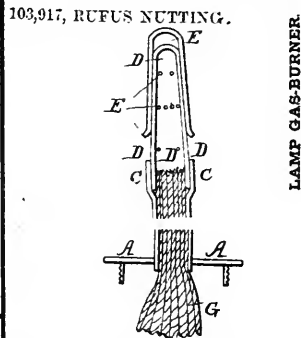


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HUAL IL. NEWTON.  
TIDY-FINE.

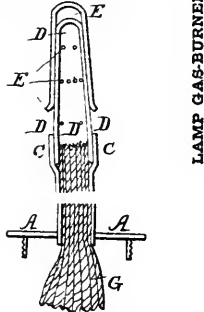
103,914,  
E. S. MORTON.  
NAIL-HAMMERS.



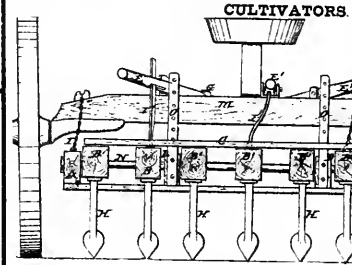
103,916, ALPHEUS P. NOYES.  
DOOR-MAT.



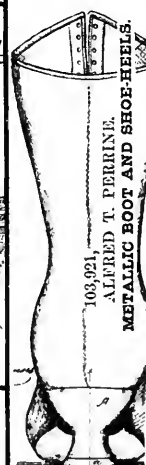
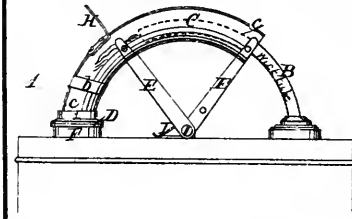
103,917, RUFUS NUTTING.



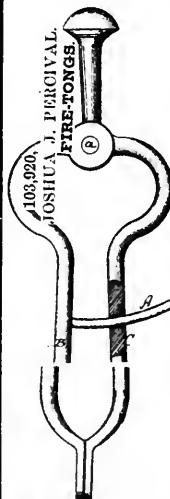
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CULTIVATORS.



103,919, AMOS D. OWEN.  
BRAND FOR CANCELING STAMPS.

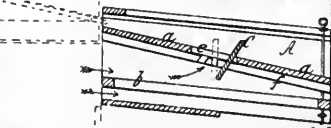


103,921,  
ALFRED T. PERRINE.  
METALLIC BOOT AND SHOE-HEELS.

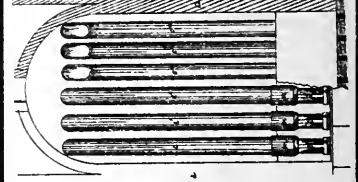


103,920,  
JOSHUA J. PERCIVAL.  
FIRE-TONGS.

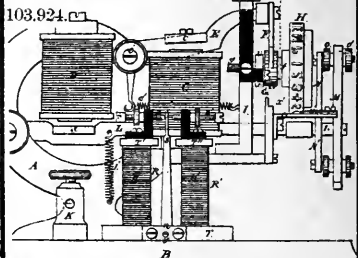
103,922, CHAUNCEY PERRY.  
GRAIN-CLEANER.



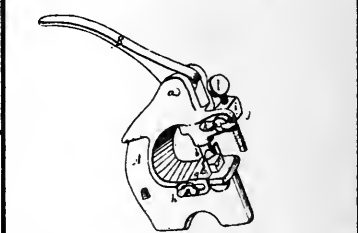
103,923, JONAS J. PIERCE.  
HOT-BLAST APPARATUS.



F. L. POPE AND T. A. EDISON.  
PRINTING TELEGRAPH INSTRUMENT.



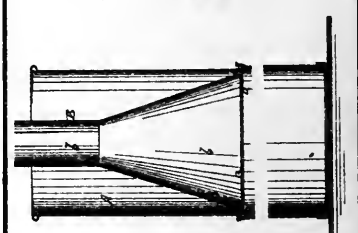
103,925, HENRY K. PORTER. SAW-SET.



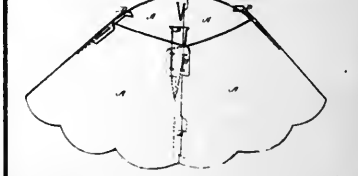
103,926,  
H. K. PORTER.  
CALIPERS.



103,927, CHRISTOPHER T. PROVOST.  
APPARATUS FOR  
PACKING PRESERVES

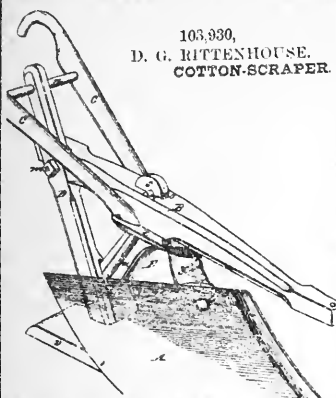


103,928, WILLIAM READ, JR.  
LAMP-SHADES.



103,929, JAMES RIGBY.  
PHILIP A. PALMER.  
GAS-RETORTS.





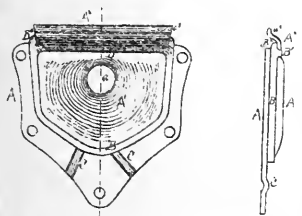
103,930,  
D. G. RITTENHOUSE.  
COTTON-SCRAPER.

103,931, WILLIAM H. ROGERS.  
FUSE-COMPOSITION.

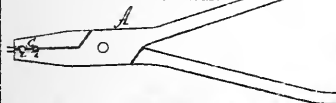
103,932, JOHN ROOT. PAPER-BOX.



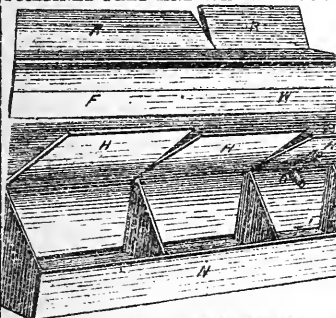
103,933, H. W. SHEPARD.  
MILK-CAN HANDLES.



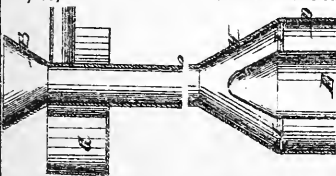
103,934, GRANVILLE T. SHEPLEY.  
STUD-NIPPERS.



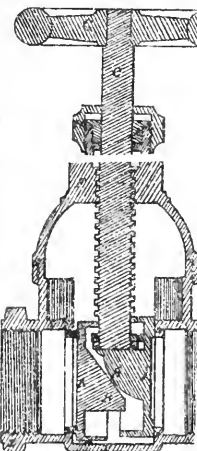
103,935, JOSEPH SHERMAN.  
COMBINED FEED AND WATER-TROUGH.



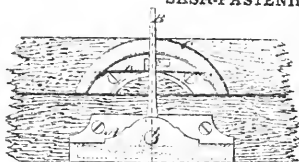
103,936, JAMES L. SMITH. CORN-DROPPER.



103,937, AUGUST SNYDER. VALVES.



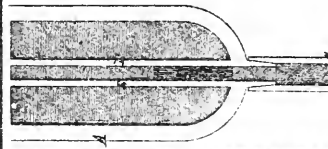
103,938, WILLIAM B. SNYDER.  
ROBERT HUBBARD.  
SASH-FASTENING.



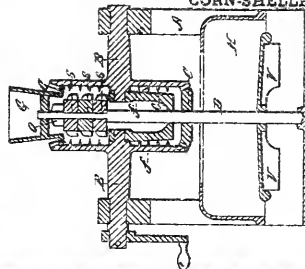
103,939, G. F. TAYLOR. GEARING FOR  
CARPET-SWEEPING MACHINES.



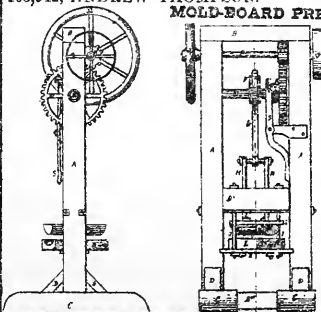
103,940, EBER THAYER.  
APPARATUS FOR SPLITTING ROCK.



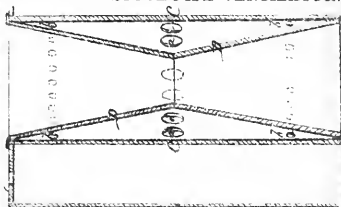
103,941, AMBROSE B. THOMPSON.  
CORN-SHELLERS.



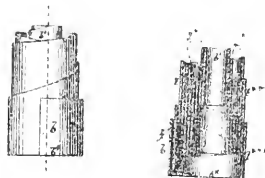
103,942, ANDREW THOMPSON.  
MOLD-BOARD PRESS.



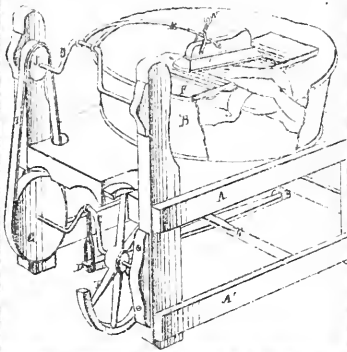
103,943, DAVID V. THRIFT.  
STOVE-PIPE VENTILATOR.



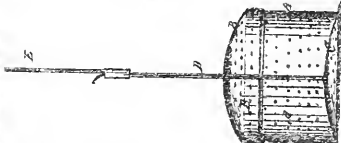
103,944, JOSEPH TRENT. VOLUTE SPRING.



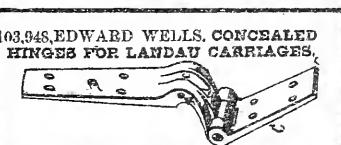
103,945, DAVID VOGT.  
WASHING-MACHINE.



103,946, JOSEPH B. WAKEMAN.  
ALONZO M. BUSH.  
COFFEE AND TEA-STEPPER.



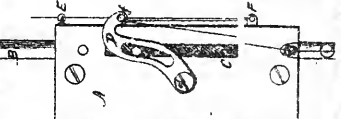
103,947, W. H. WALENN.  
THE ELECTRO-DEPOSITION OF COPPER  
AND BRASS ON IRON AND STEEL.



103,948, EDWARD WELLS. CONCEALED  
HINGES FOR LANDAU CARRIAGES.



103,949, WASHINGTON WENDELL.  
THREAD-CONTROLLER FOR  
SEWING-MACHINE.



103,950, L. H. WHITNEY.  
BOOT AND SHOES.

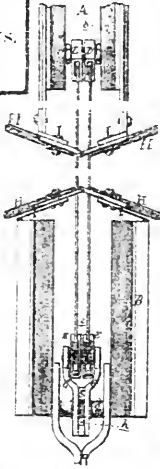




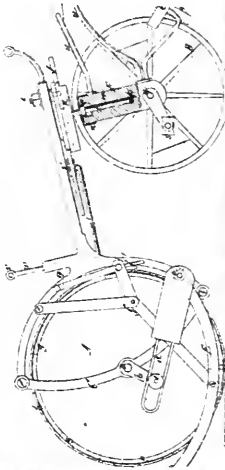
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WILLIAM J. WIGGINS,  
CHARLES STOUT.  
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FAGOTS**



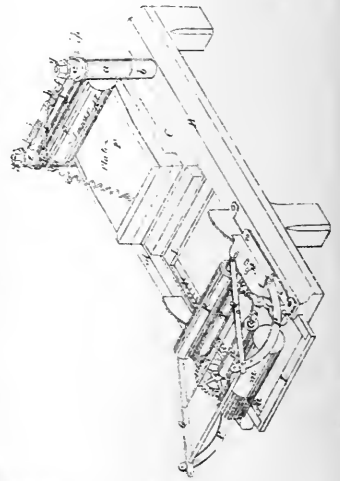
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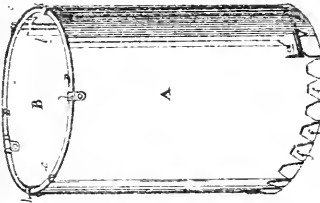
103,957, ARTHUR M. ALLEN.  
**VELOCIPEDS**



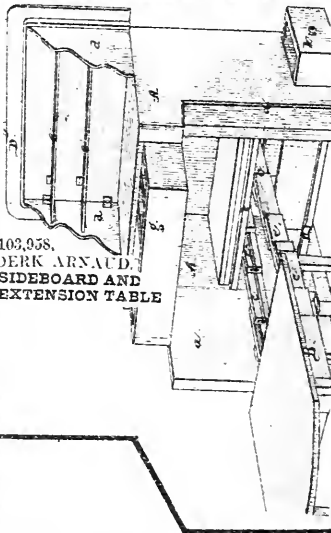
103,961, AMOS H. RANGLE.  
**PRINTING-PRESSES.**



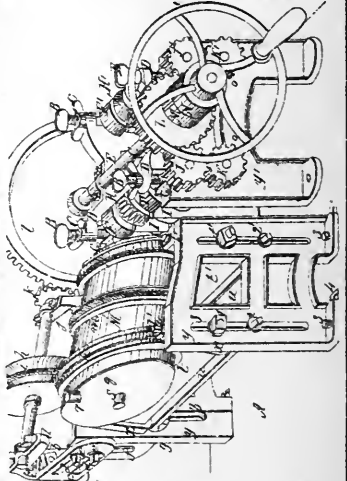
103,953, FRANK KNOLTON WINSOR.  
**LIME-BARRELS OR KIESELS**



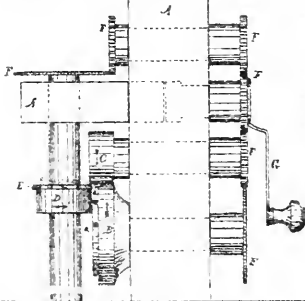
103,958,  
DERK ARNAUD.  
**SIDEBOARD AND  
EXTENSION TABLE**



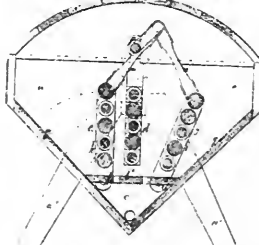
103,962, JESSE S. BATCHELDER.  
**CANDY-MACHINES.**



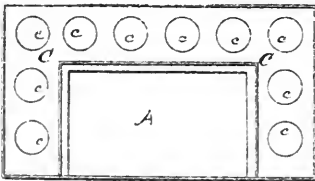
103,954, ALVIA L. WOODING.  
**MACHINE FOR MAKING OX-SHOES**



103,959, FRANK M. BACON.  
**WASHING-MACHINE**



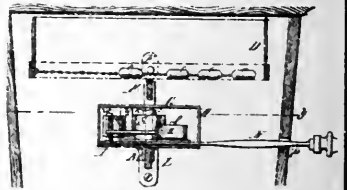
103,955, FREDERICK ZEITZ.  
**APPARATUS FOR COOLING ALE BEER**



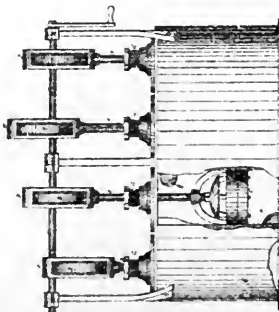
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GEO. F. LETZ.  
**FIRE-PROOF CEILING.**



103,964, PETER BECKER FLOUR-SIFTER.



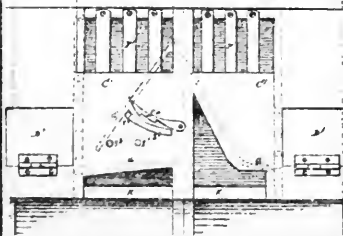
103,960, B. C. BAILEY. PUMPS.

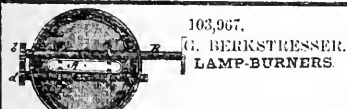
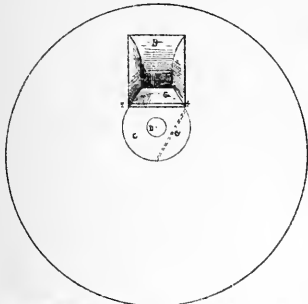
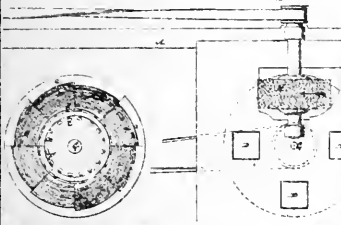
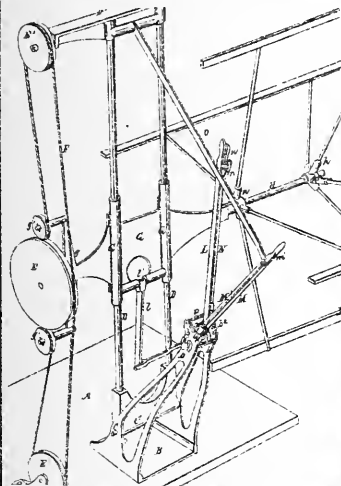
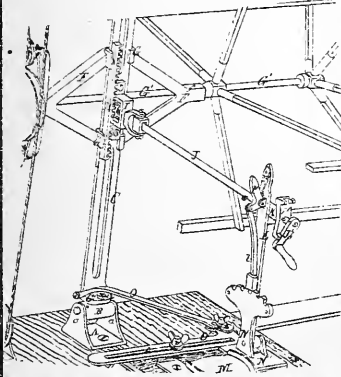
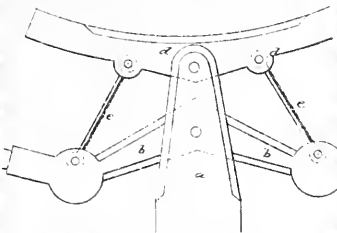
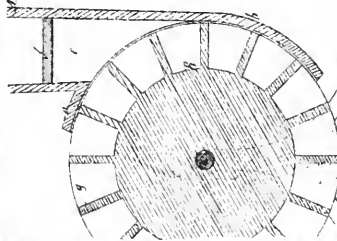


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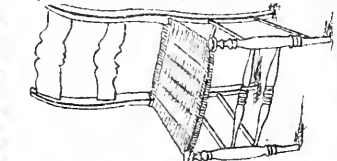
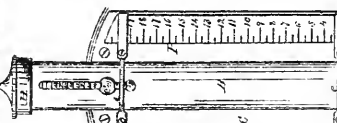
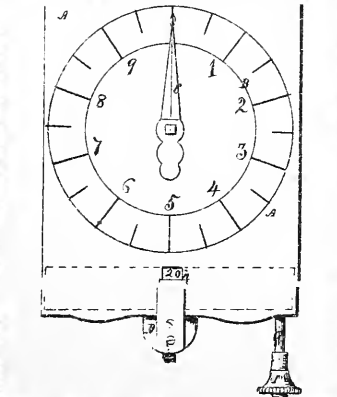
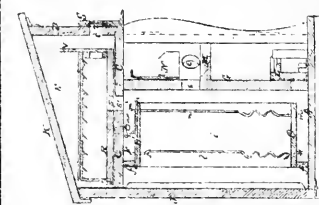
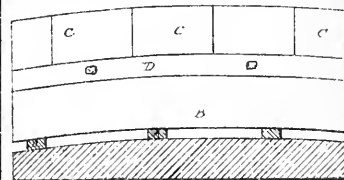
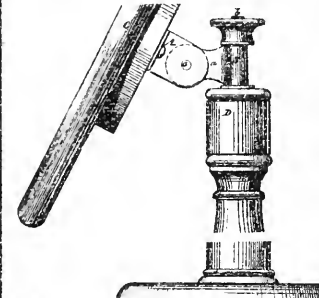
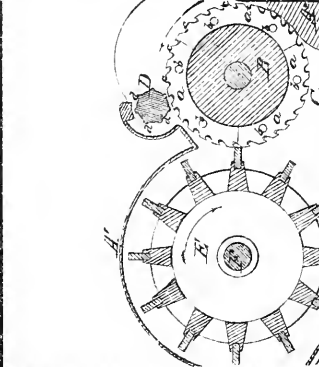


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**MANGERS.**

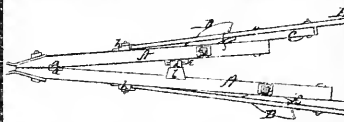
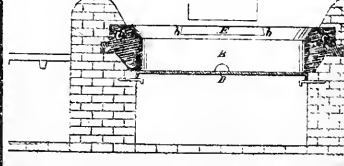


103,966, RICHD. W. BELSON. PATTERNS  
FOR MOLDING STOVE-PLATES.103,967,  
G. BERKSTRESSER.  
LAMP-BURNERS.103,968, G. H. BLISS AND M. REES  
MANUFACTURE OF WOOD PAPER  
STOCK.103,969, J. W. BOPE.  
REELS FOR HARVESTERS.103,970, J. W. BOPE.  
REELS FOR HARVESTERS.103,971, NATHL. BRADFORD.  
MECHANICAL MOVEMENT.103,972, WILLIAM BRADWOOD,  
HORATIO JONES HEWITT.  
WATER-WHEELS.

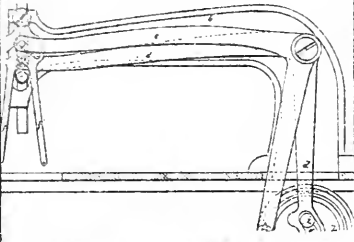
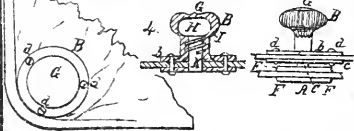
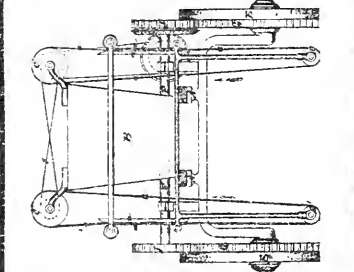
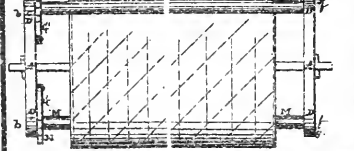
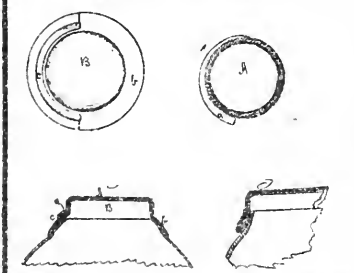
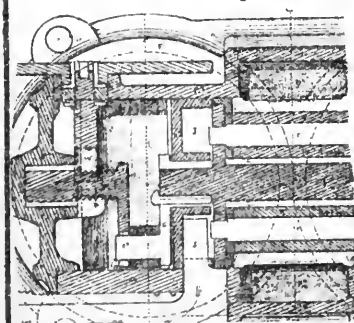
103,973, WM. G. BULGIN. CHAIR-SEAT

103,974, WM. H. BURRIDGE.  
COMPOUND FOR PREVENTING AND  
REMOVING INCRUSTATION IN STEAM-  
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TOOL-HOLDERS.103,976, S. R. P. CAMP.  
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JEFFERSON M. CLOUGH.  
COTTON-GINS.

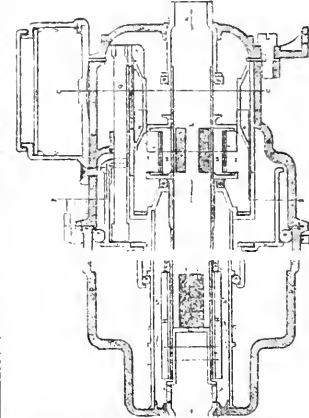
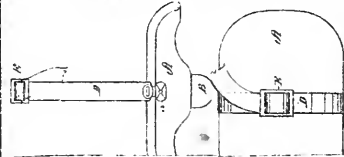
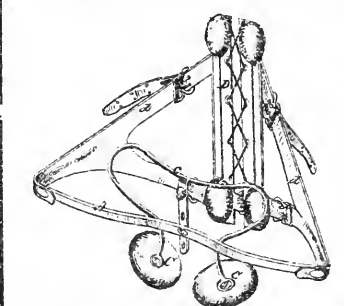
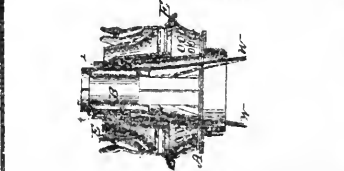
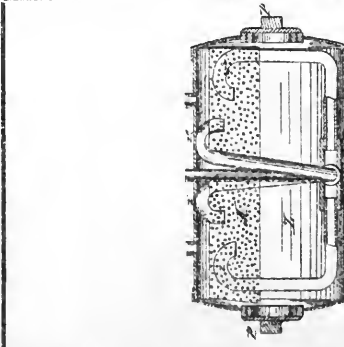
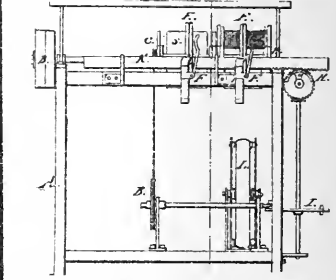
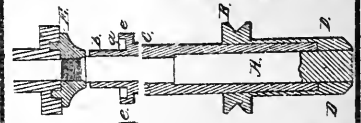
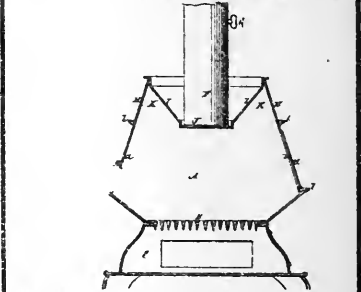
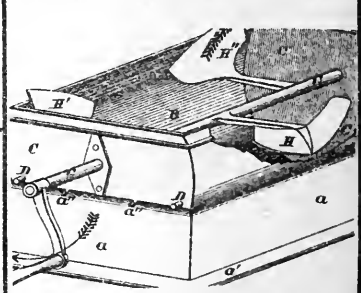
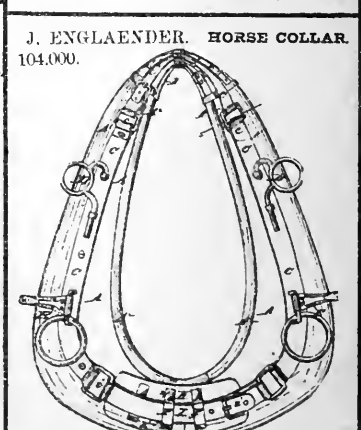
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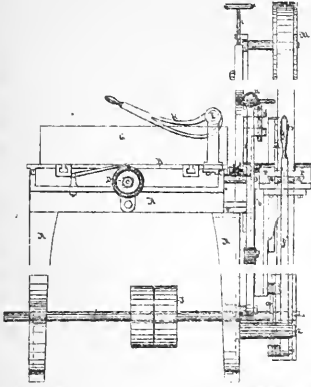
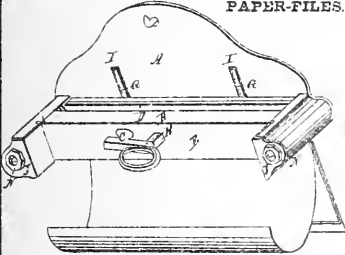
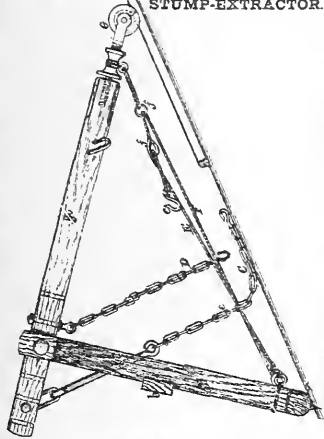
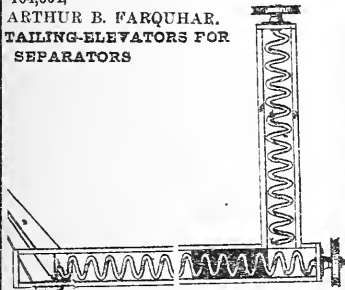
103,983,  
THOMAS COATES.  
CHILL-BOSSES FOR  
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103,984, J. J. COBB. SEWING-MACHINE.

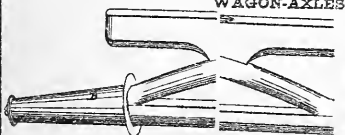
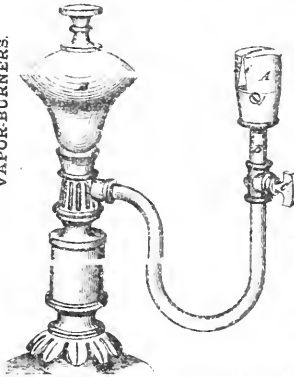
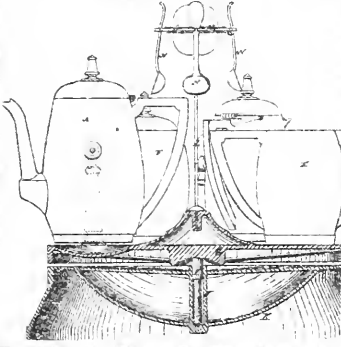
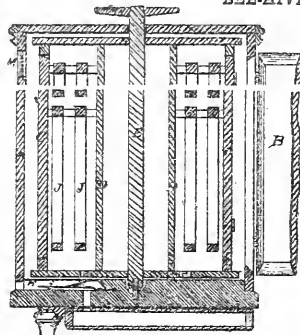
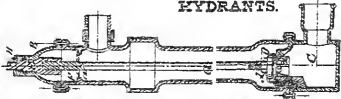
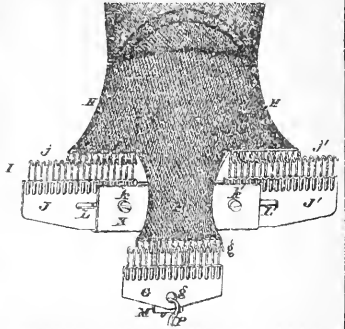
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JAMES H. NICHOLSON.  
CARRIAGE-CURTAIN BUTTON.103,986, ROBERT F. COOKE. ELECTRICAL  
COTTON-PICKING MACHINES.103,987, JOHN A. COOKERLY.  
QUILTING-FRAME.103,988, E. T. COVELL.  
METALLIC CAPS AND NOZZLES.103,989, R. CREUZBAUR.  
LIQUID METER.

103,990, ROBT. CREUZBAUR.

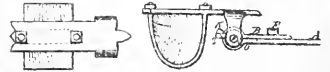
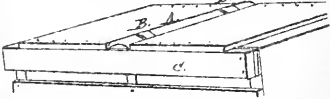
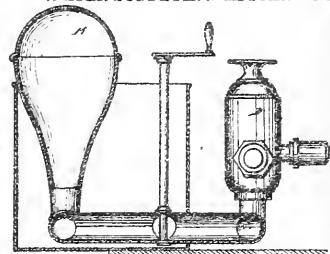
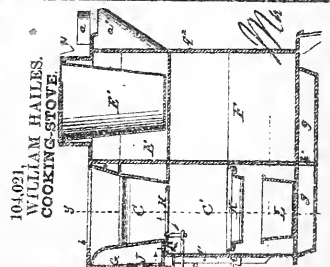
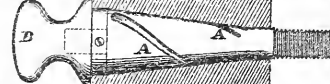
103,991, HENRY F. CRISTY.  
PENMAN'S WRIST-SUPPORTERS.103,992, RICHARD JACKSON CUNDIFF.  
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104,001, HARRY HUBBARD EVARTS  
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104,006. C. C. FITZGERALD.  
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THOMAS GARRICK.  
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104,015, JOHN H. GEE, THILL-COUPLING.

104,016, LEWIS L. GILLILAND.  
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104,022, JOSEPH H. HANAUER,  
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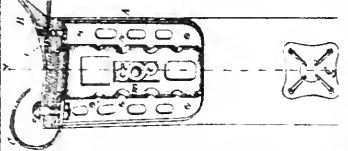
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SETTER, GAUGE, AND CASE FOR  
SEWING-MACHINE NEEDLES.



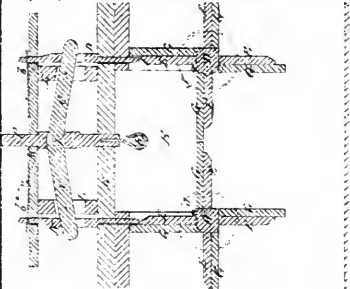
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JOSHUA F. LANING,  
JOSEPH BENNOR. SEAL-LOCKS.



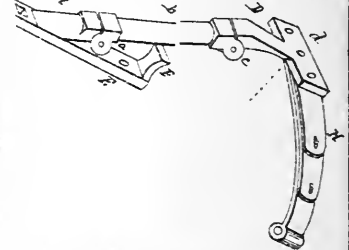
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HARNESS-SADDLES.



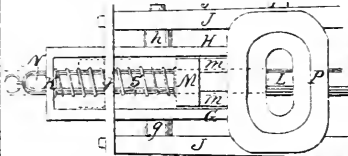
104,031, NOAH F. HERSH. ANIMAL-TRAP



104,039, URIAS B. KLINE.  
JOINTED SPRING-GUARD.



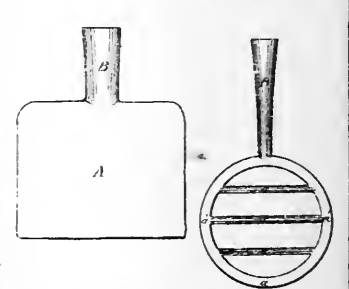
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RAILWAY CAR-COUPLING.



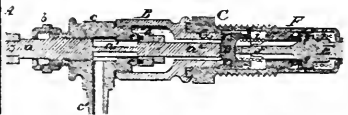
104,032, H. H. HUSKETT.  
SPRING CLOSING-CAPS FOR  
OIL-CUPS AND INKSTANDS.



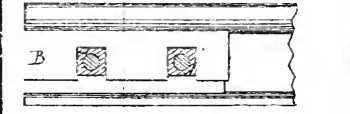
104,040, WILSON W. KNOWLES.  
METHOD OF FORMING  
CARRIAGE-STEPS.



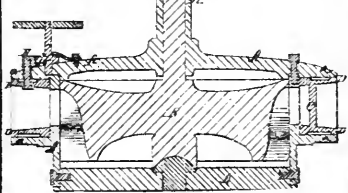
104,025, IRUS W. HARVEY. FAUCETS.



104,033, DANL. HOFFMAN, NUT-LOCK  
WM. JOHNSTON.



104,026,  
WM. HASLEP.  
WATER-WHEELS.



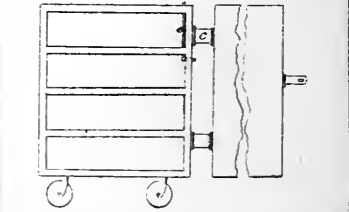
104,034, E. N. HORSFORD.  
MANUFACTURE OF  
A NON-HYGROSCOPIC  
PULVERULENT ACID PHOSPHATE.



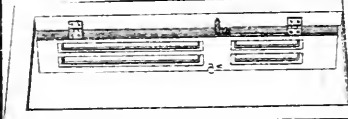
104,035, WM. KAYS. HORSE-COLLARS.



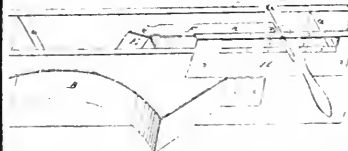
104,041, GEO. KOCH.  
WM. KOCH.  
MOVABLE STORE-SHELVING.



104,027, JOEL R. HAYDEN.  
RUBBER DOOR-SPRINGS.



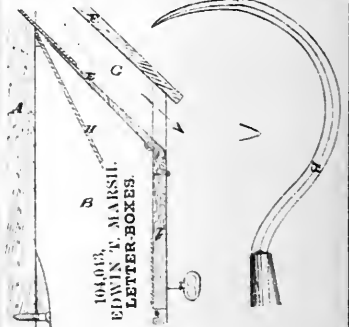
104,028, JOHN HEBERLING.  
HAND SEED-PLANTERS.



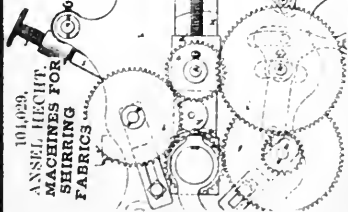
104,036,  
CHAS. KELLOGG.  
TRUSS-FRAME  
BRIDGES.



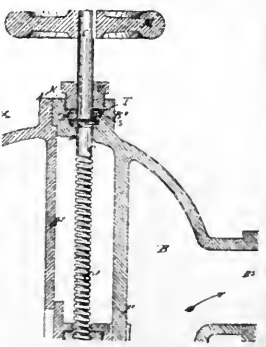
104,042, J. FRED. LEITCH.  
CULTIVATING-HOOK



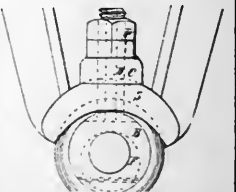
104,029,  
ANSEL LEITCH.  
MACHINES FOR  
SHIRING  
FABRICS.



104,037,  
NORMAN KING.  
GLOBE-VALVES.

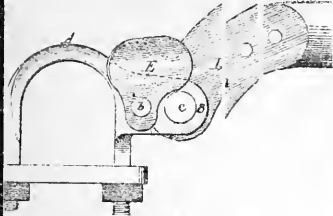


104,014,  
VOLNEY W. MASON.  
ADJUSTABLE HANGER  
FOR SHAFTING.

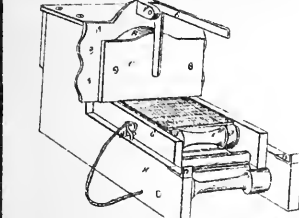




104,045, HENRY Z. MAST. THILL-COUPLING.



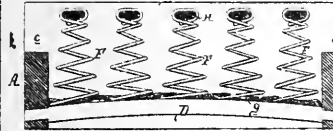
104,046, FREDERICK M. MATTICE. SOCKET-PIPE MACHINERY.



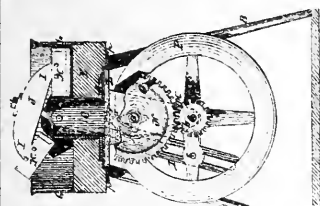
104,047, JOHN McADAMS. RULING-MACHINES.



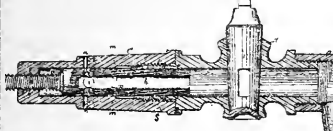
104,048, WILLIAM McARTHUR. SPRING BED-BOTTOM.



104,049, ARTHUR McCARTER. MEAT-CHOPPER.



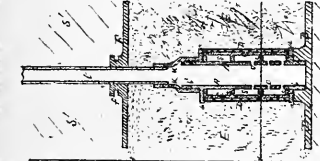
104,050, WILLIAM McKAY. FAUCETS.



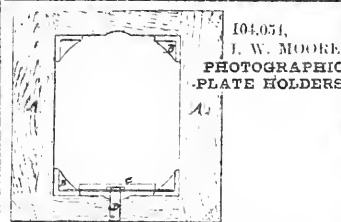
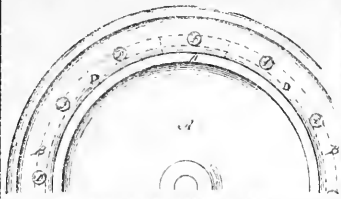
104,051, HENRY C. MILLIGAN. HANDLES OF SHEET-METAL SPOONS, FORKS, &amp;c.



104,052, MADS C. MONSON. TUBING AND FILTERING-ARRANGEMENTS FOR WELLS.

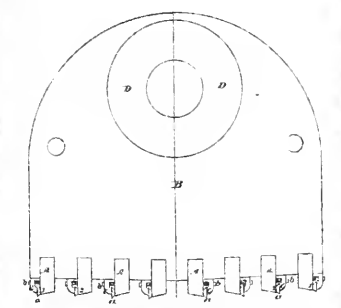


104,053, H. W. MOORE. CAR-WHEELS.

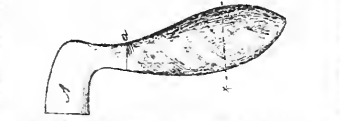


104,054, I. W. MOORE. PHOTOGRAPHIC-PLATE HOLDERS.

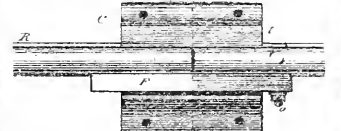
104,055, ARCHD. MUNRO, W. R. ADAMSON. MACHINE FOR CUTTING AND DRESSING STONE.



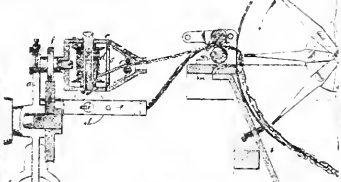
104,056, JOHN W. MUNSON. MANUFACTURE OF RUBBER-COATED CARRIAGE-TRIMMINGS.



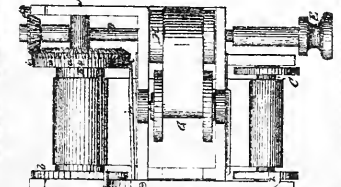
104,057, JNO. M. ORE. RAILWAY RAIL-CHAIR AND JOINT.



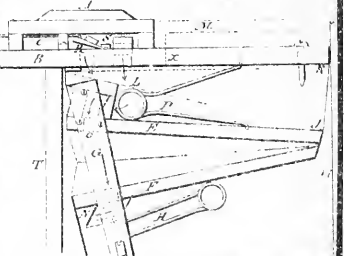
104,058, JOSEPH PARADIS, WM. H. DREW. MACHINES FOR UNTWISTING AND SEPARATING HAIR-ROPE.



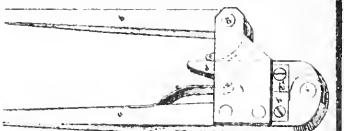
104,059, O. S. PEASE. FARE-RECORDER FOR CARS, &amp;c.



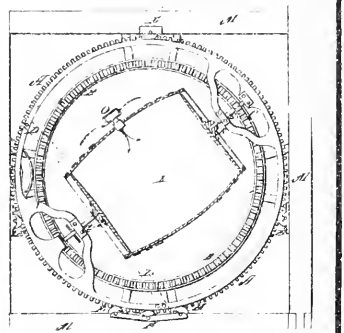
104,060, J. R. PERRY. ORGAN-BELLOWS.



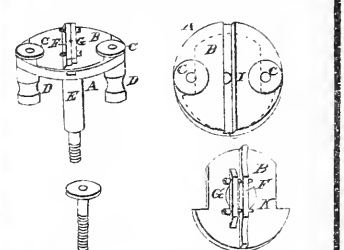
104,061, HENRY PETERS. TOOL FOR CUTTING OFF BOLTS, RODS.



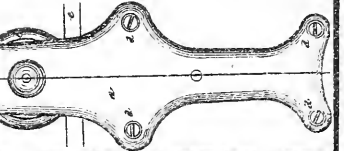
104,062, H. A. RATTERMANN. MACHINE FOR PITCHING LAGER-BEER AND OTHER CASKS.



104,063, JOHN RICH. LATHE-CHUCK.



104,064, SAMUEL P. ROBINSON. DOOR-HANGER.



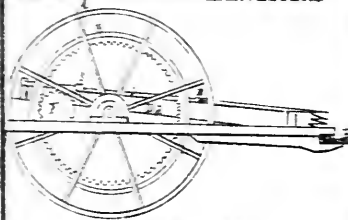
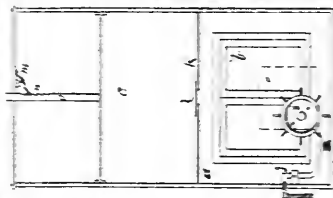
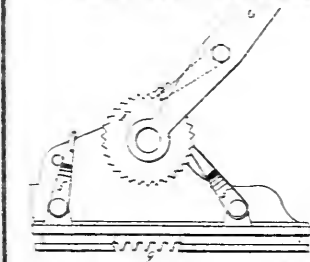
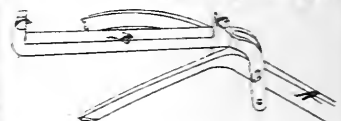
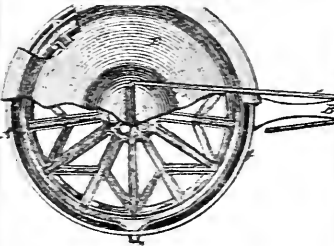
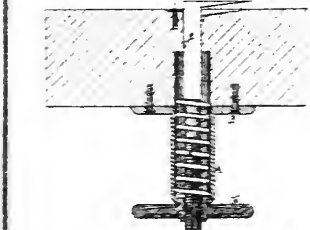
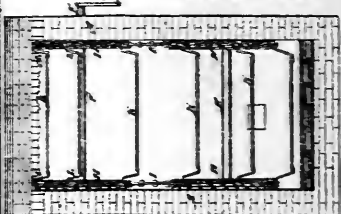
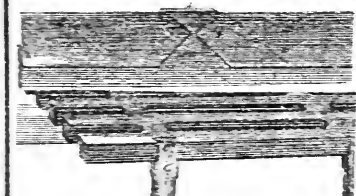
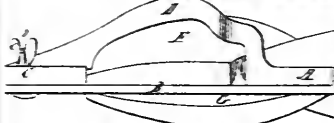
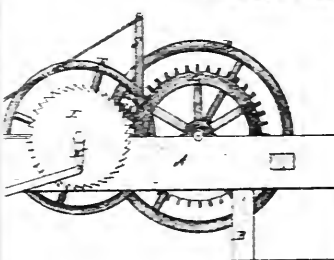
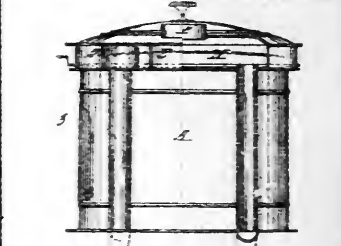
104,065, BENNING ROWELL. FENCES.



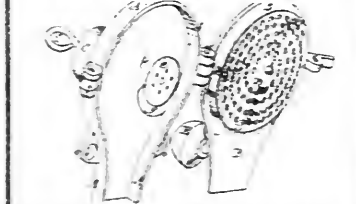
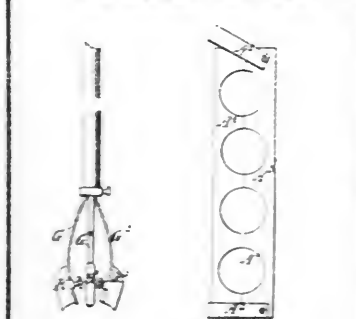
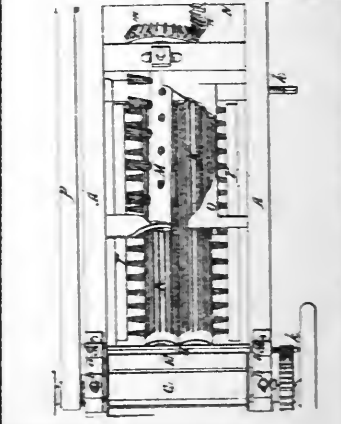
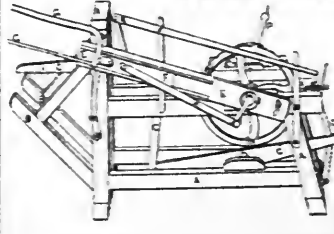
104,066, WM. H. RUSSELL. SCREW-COLLARS FOR LAMPS.

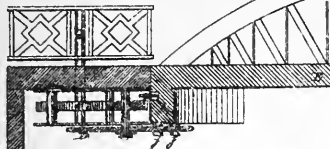
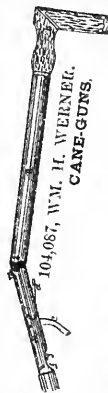
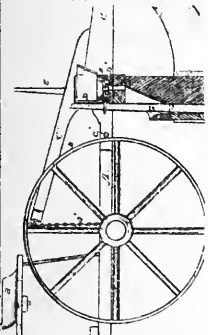
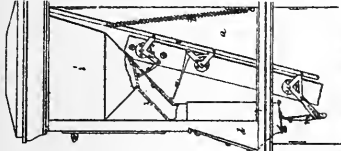
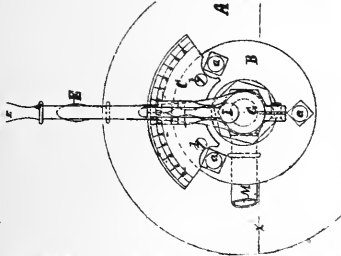
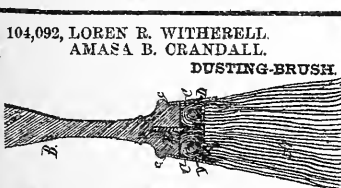
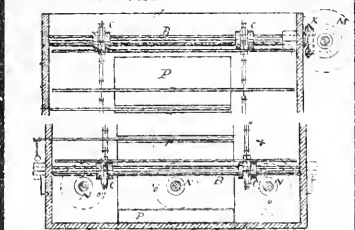
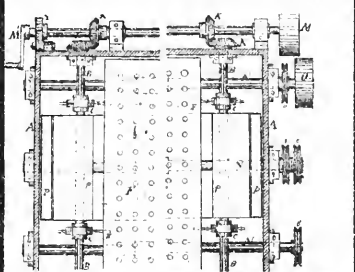
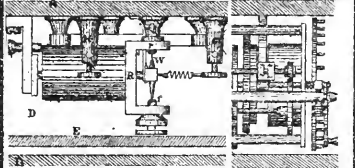
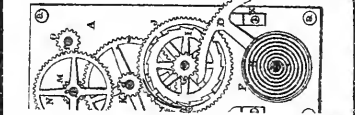
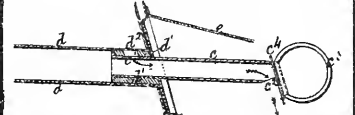
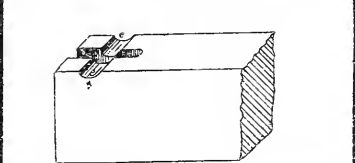
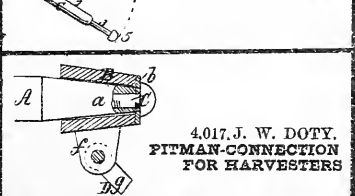


104,067. JACOB SEIBEL. HARVESTERS.

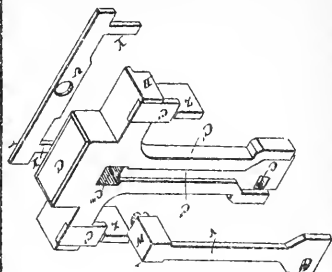
104,073. WILLIAM SPEAR.  
ALARMS FOR SAFES.104,080. J. OSCAR TABEE. CRANK-WRIST  
FOR HARVESTING-MACHINES.104,068. GEO. SELDEN.  
H. O. KELSEY.  
HEAD-BLOCKS FOR SAW-MILLS.104,074. GEORGE STECK.  
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BEDSTEAD-FASTENING.104,069. HENRY J. SKINNER.  
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104,071. JAMES M. SMITH. GRATER.

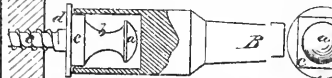
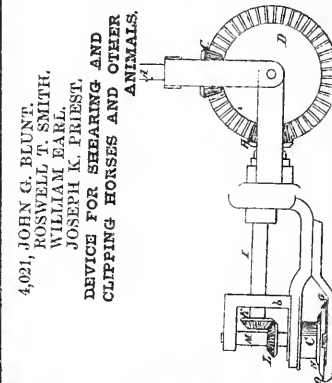
104,072. WILLIAM SMITH. MACHINE  
FOR CLEANING CAST-IRON PIPE.104,078.  
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CANE-GUNS.104,089, JOHN G. WHITE.  
EARTH-URINALS.104,090, DANIEL <sup>his</sup> WILLIAMS.  
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REVOLVING STEAM-GAUGE COCK104,091, JOHN DE WITT WILLIAMS.  
MANUFACTURE OF IRON.104,093, JOHN EASTBURN WOOTTEN.  
MACHINERY FOR MOVING COAL  
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SLEEVE-BUTTONS4,017. J. W. DOTY.  
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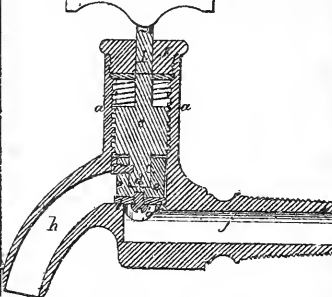
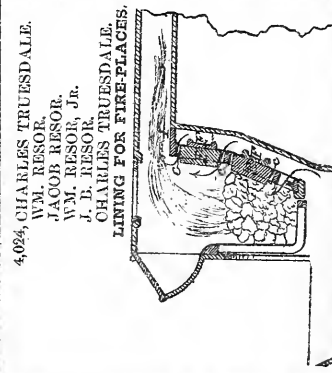
4,018. JOSEPH L. HALL. LOCKS.



4,019. CALVIN Z. KROH. CURTAIN-KNOBS

4,020, THOS. RESTIEAUX.  
DEODORIZING PETROLEUM.4,021, JOHN G. BLUNT.  
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DEVICE FOR SHEARING AND  
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4,022, EDWARD A. STERRY FAUCETS.

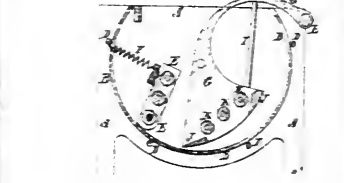
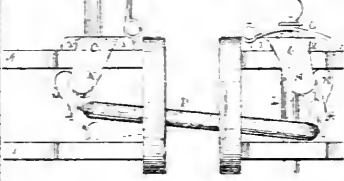
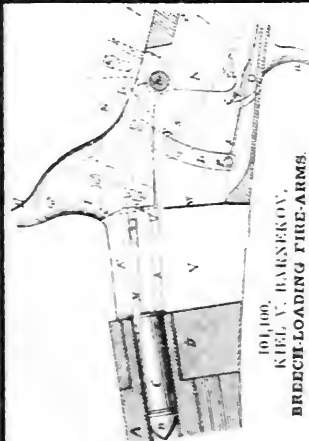
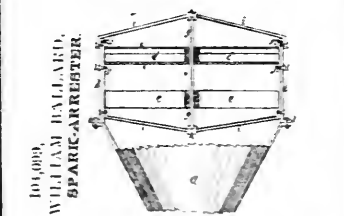
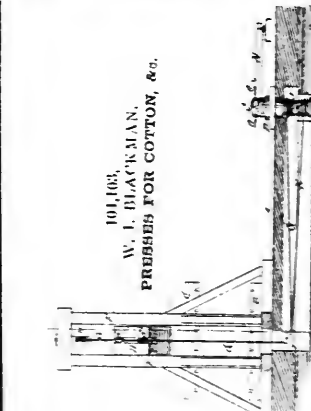
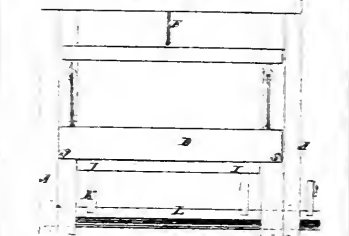
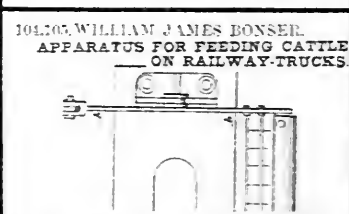
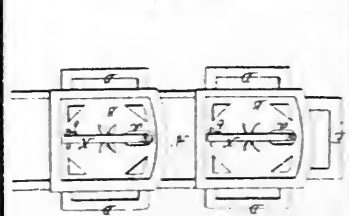
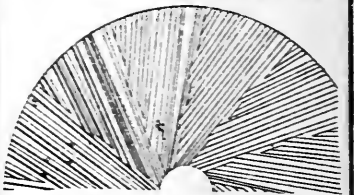
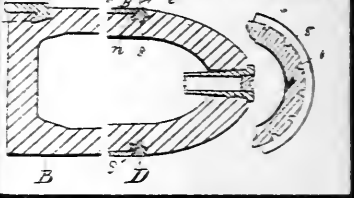
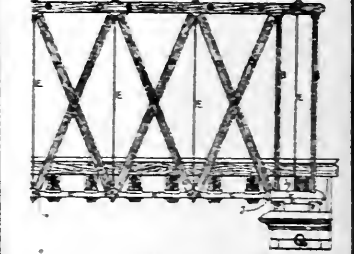
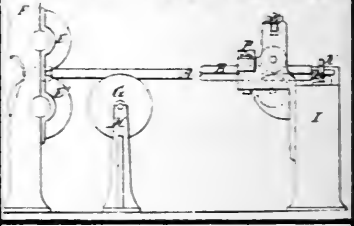
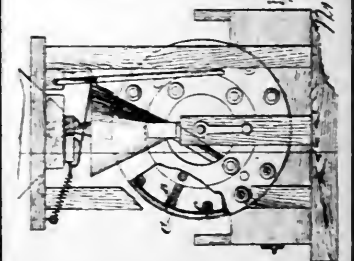
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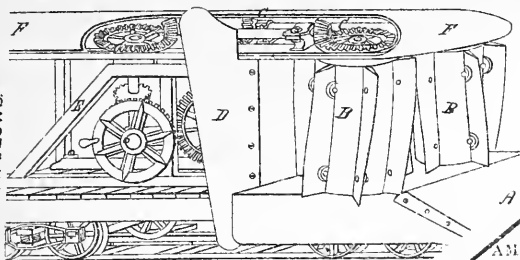
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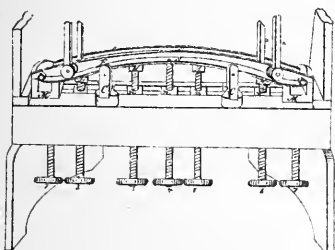
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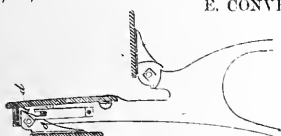
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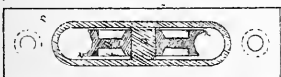
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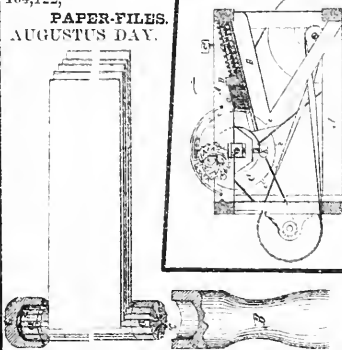
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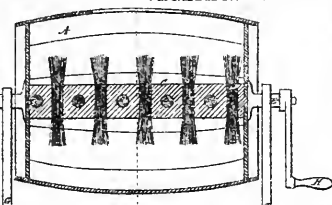
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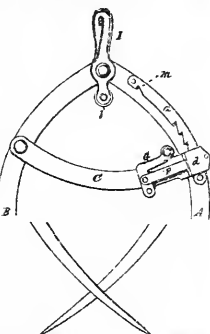
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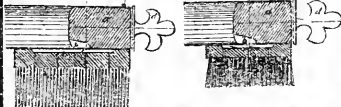
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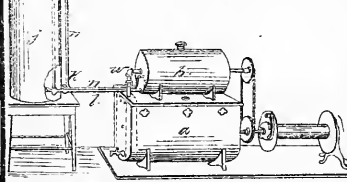
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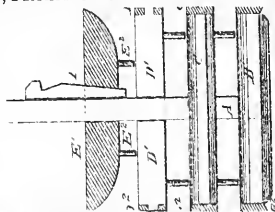


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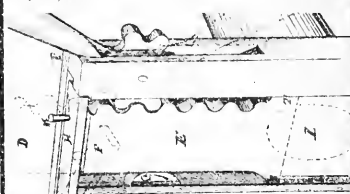


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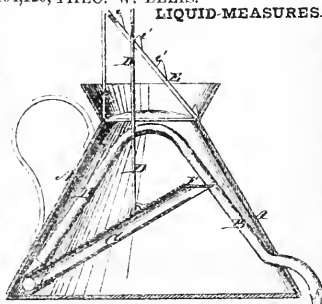
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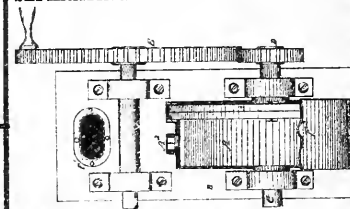
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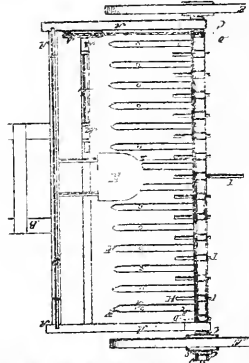
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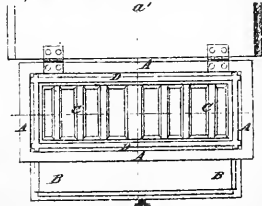
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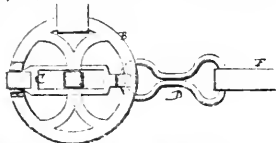


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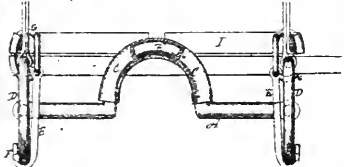




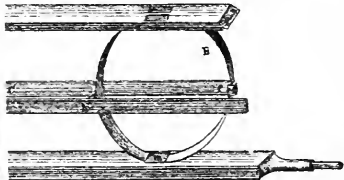
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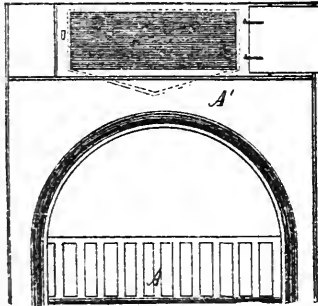
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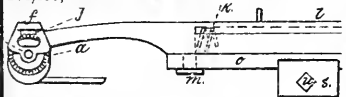
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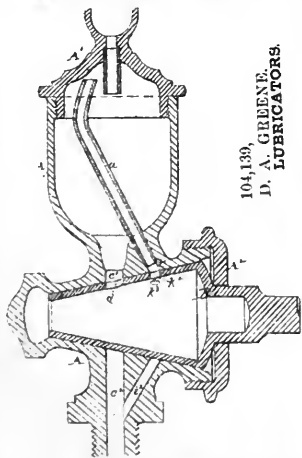
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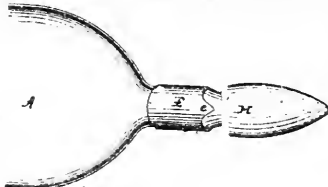


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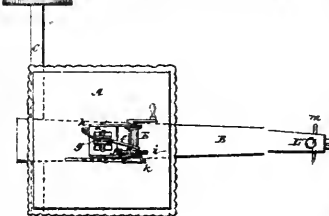


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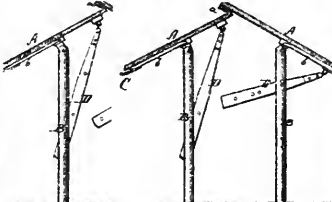
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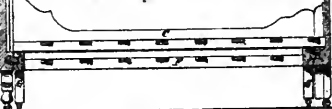
104,141, HERMAN L. HALL. PORTABLE SELF-ELEVATOR.



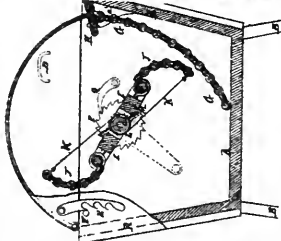
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104,143, THOMAS Q. HALL. BEDSTEAD.



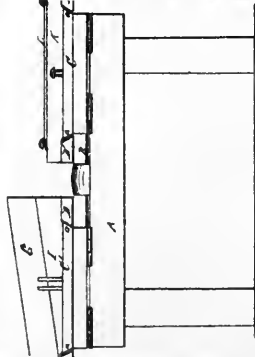
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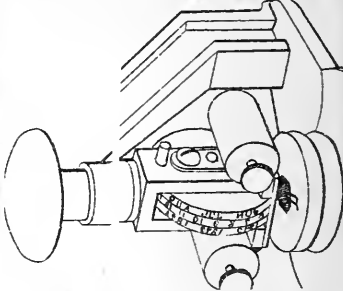
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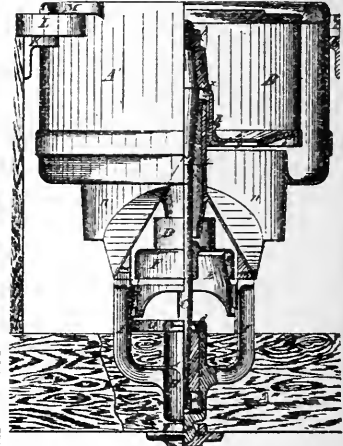
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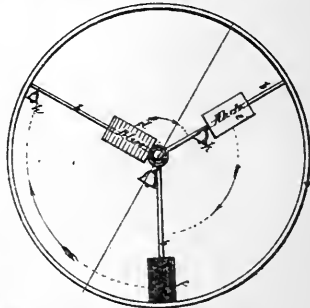
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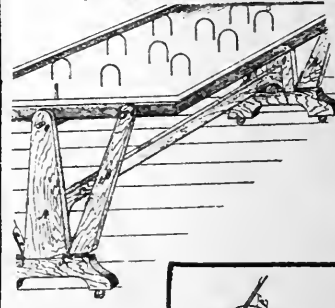
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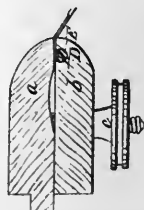
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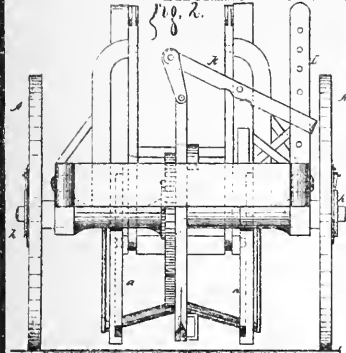


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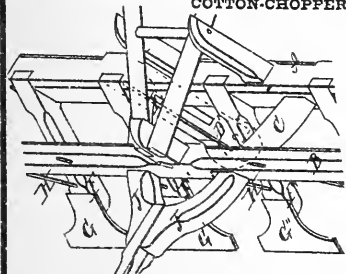


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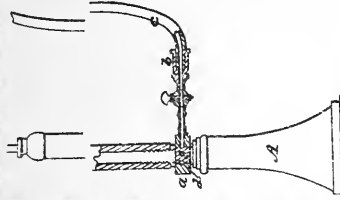
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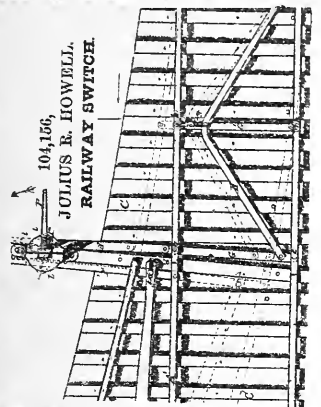
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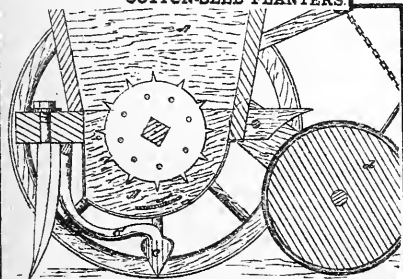
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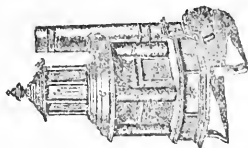
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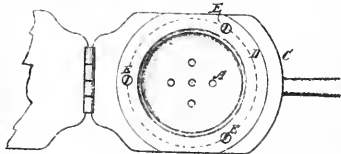
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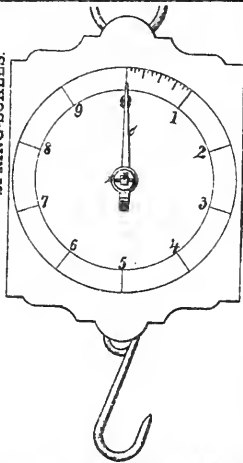
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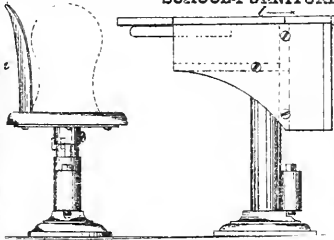
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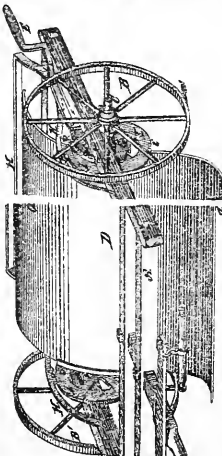
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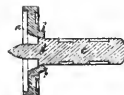
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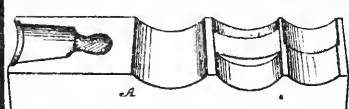
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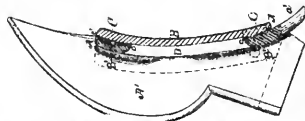
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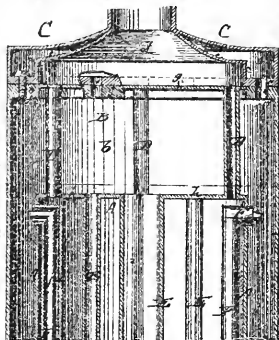
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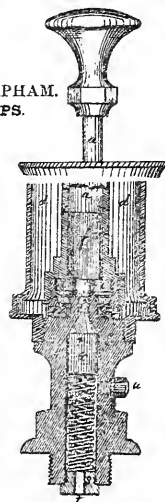
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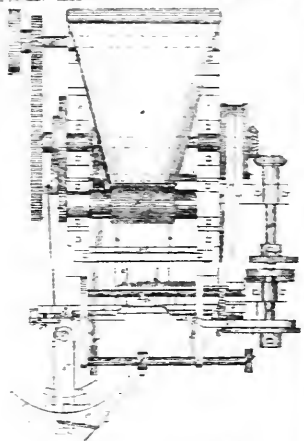
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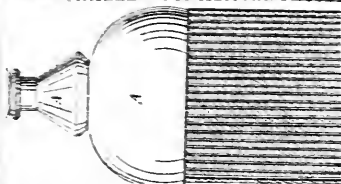
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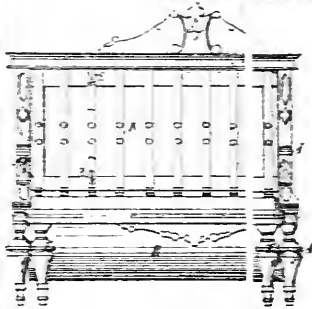
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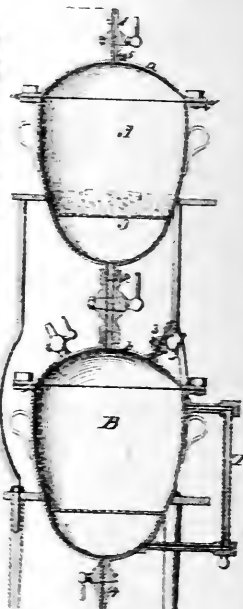
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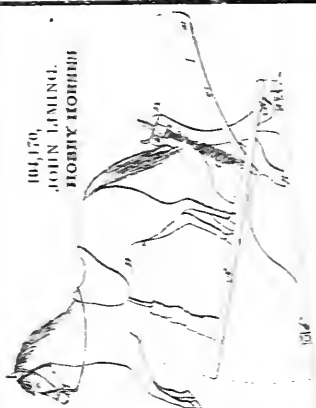
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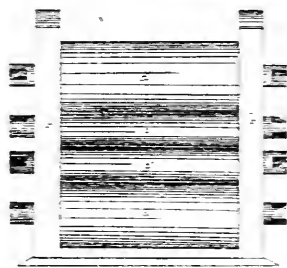
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104154. JOHN LAMING. HOBBY HORSE



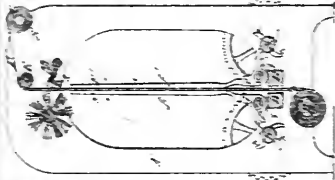
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104156. JAMES C. MERRITT. BEDSTEAD



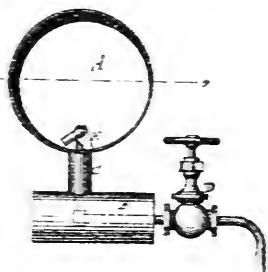
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104158. PURCHES MILES. DOUBLE-POINTED TACKS



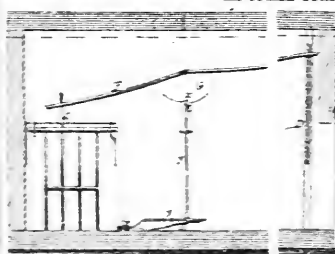
104159. JOHN C. McLAUGHLIN. STEAM-BOILER BLOW-OFF PIPE



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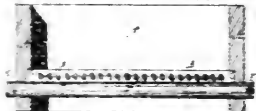
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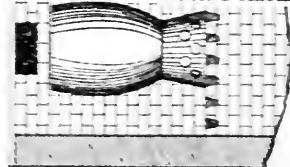
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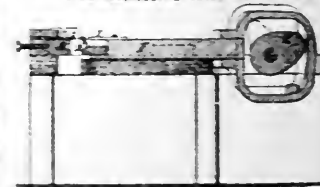
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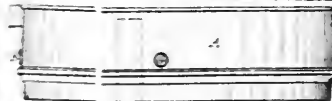
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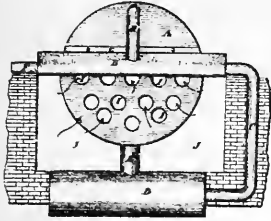
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104167. JAMES W. McMILLAN. MILK-COOLERS



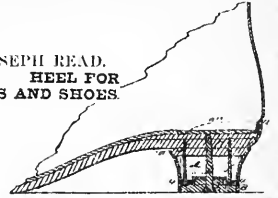
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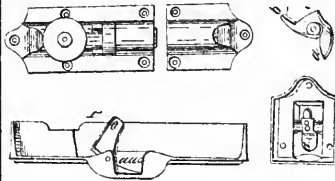
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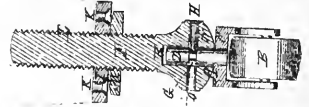
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JOSEPH READ.  
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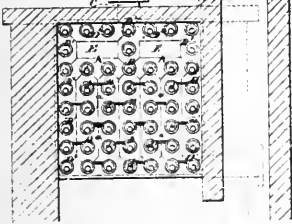
104,195, CHARLES E. PIERCE.  
ALARM ATTACHMENTS  
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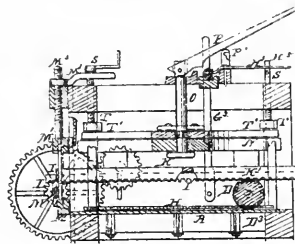
104,201, WILLIAM REAGAN.  
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TABLES AND FURNITURE.



104,188, JOSEPH NASON.  
D. SAUNDERS.  
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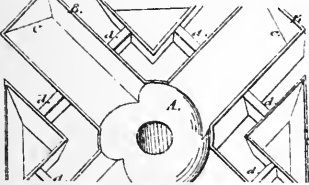
104,196, M. K. PIERCE.  
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AND THREADING-MACHINE.



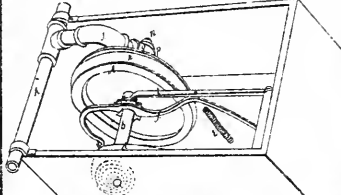
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COMBS.



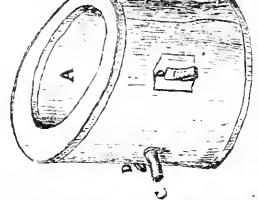
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CHURN-DASHERS.



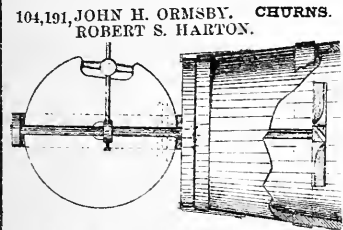
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DEVICE FOR RAISING  
AND LOWERING GAS-FIXTURES



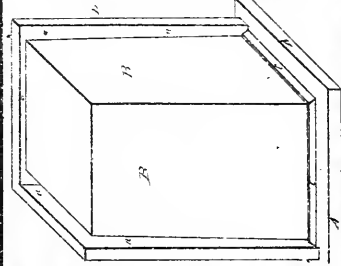
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APPARATUS FOR  
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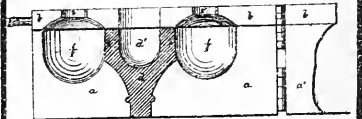
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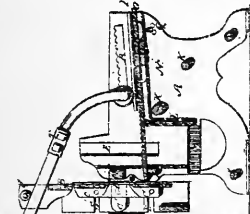
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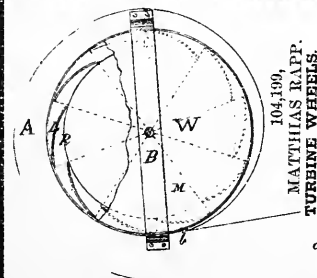
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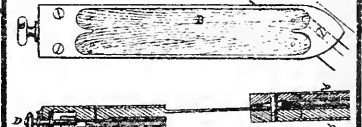


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METALLIC CAPS FOR TIN CANS.



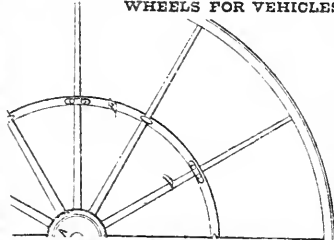
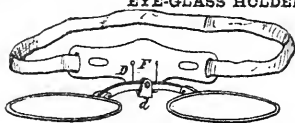
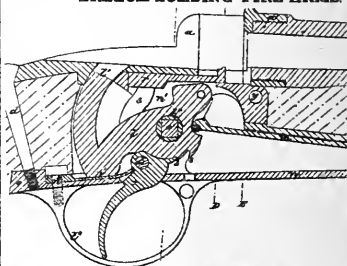
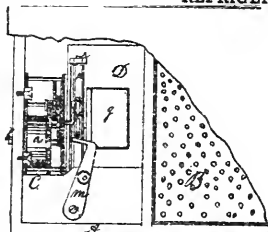
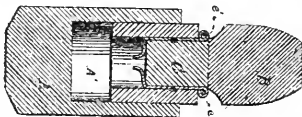
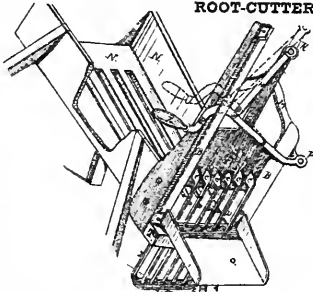
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104,206, I. J. ROBINSON.  
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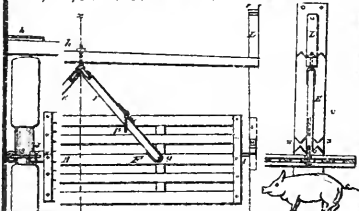
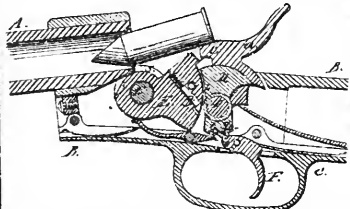
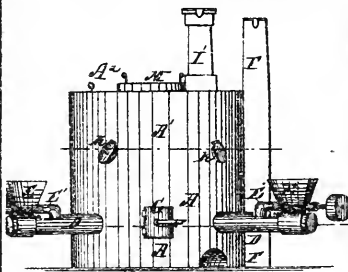
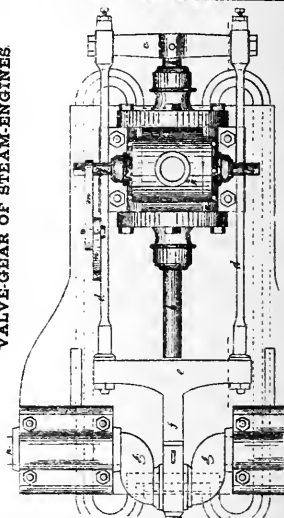
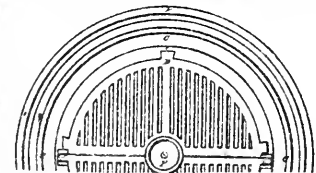
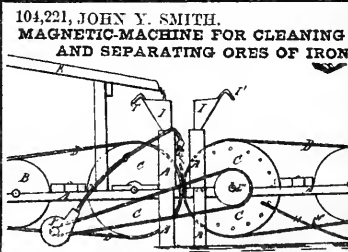


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CANE-SEAT CHAIRS.

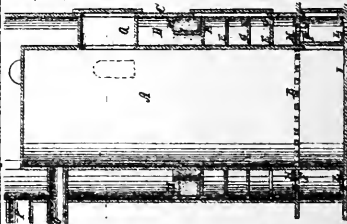
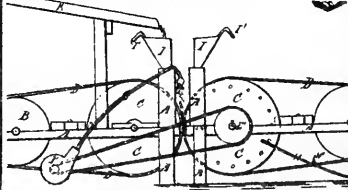
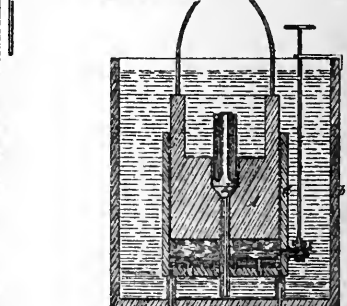
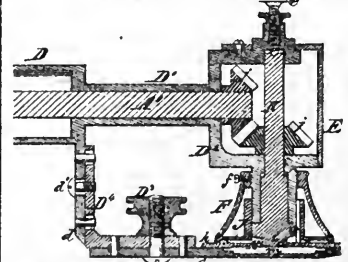


104,208, JOHN D. ROSS.  
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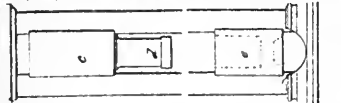
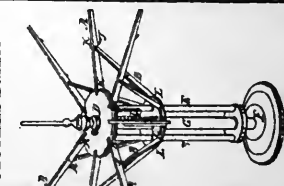
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104,211, GEORGE W. SCHOFIELD.  
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104,225, JOHN F. STILL. HEATING-STOVE.

104,213, FRANCIS E. SCOTT.  
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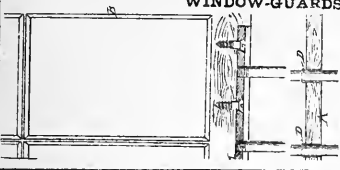
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104,228, W. K. THOMAS.

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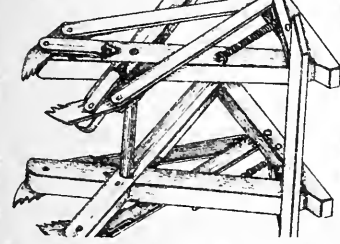


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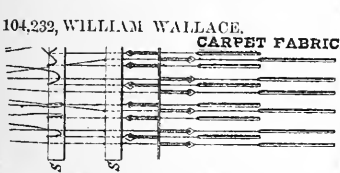


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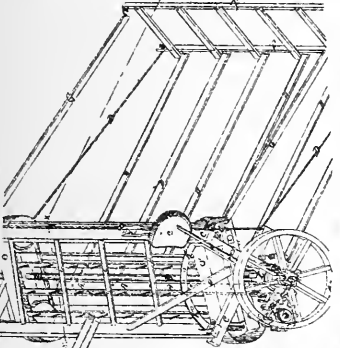


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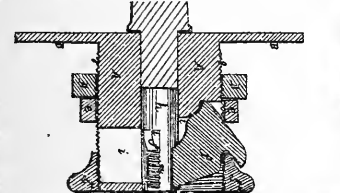
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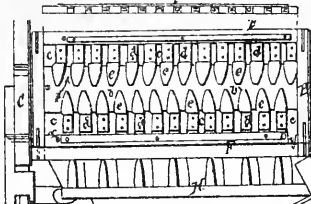
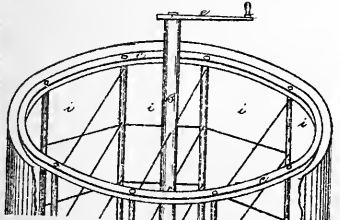
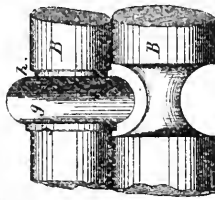
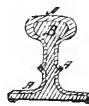
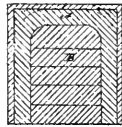
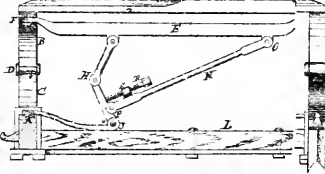
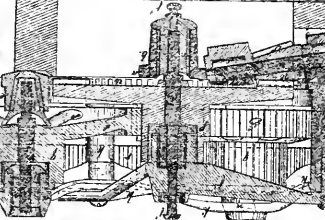
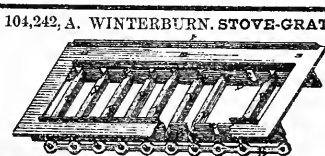
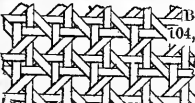
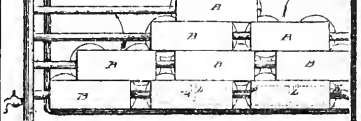
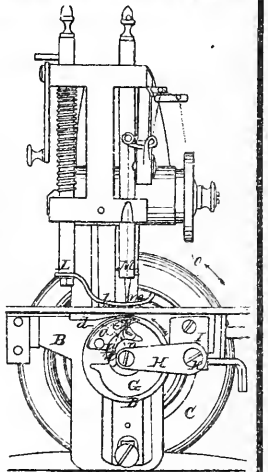
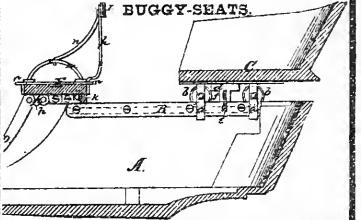
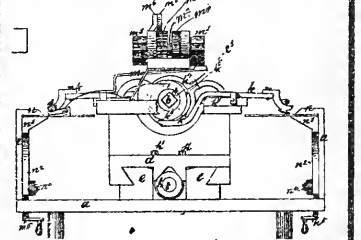


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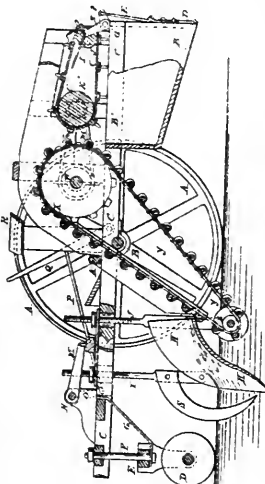


104,233, GLORY ANN WELLS.

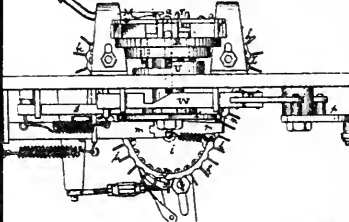
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104,236.  
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104,243, CHAIR-SEAT.JOSEPH F. APPLGATE.  
104,244, BUNGS.104,245, U. W. ARMSTRONG.  
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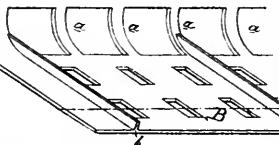
DANIEL HIBBEE.  
104,251, WILLIAM RAND. POTATO-DIGGERS.



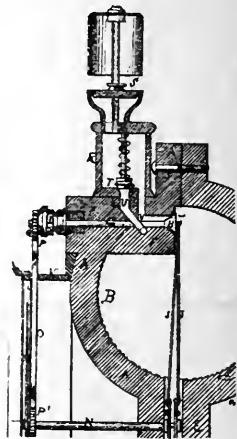
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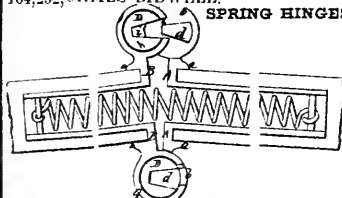
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STOVE-GRATE.



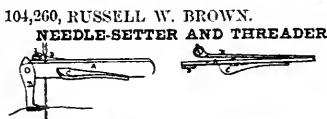
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HIGH AND LOW-WATER INDICATOR.



104,252, JAMES BIDWELL.  
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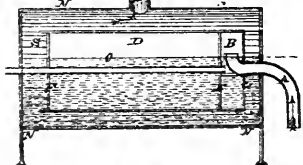


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MADDER FOR DYEING.

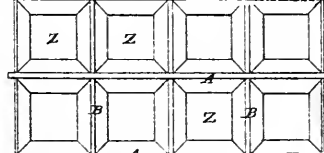


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NEEDLE-SETTER AND THREADER.

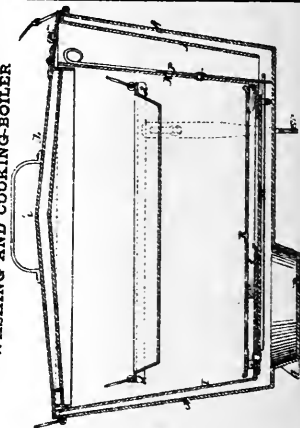
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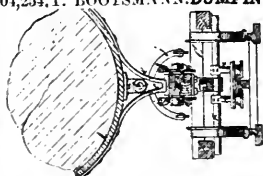
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EGG-CARRIER.



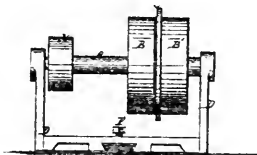
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ENMA J. CASE.  
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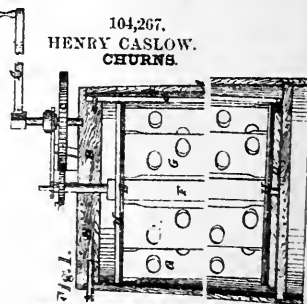
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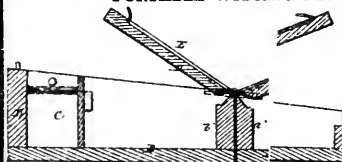
104,262, ANDREW J. BURKE.  
GRINDING ATTACHMENT FOR  
CARDING-MACHINES.



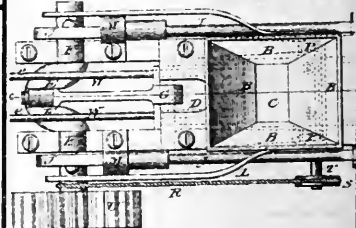
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HENRY CASLOW.  
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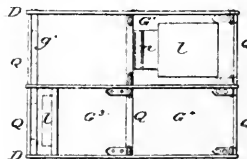
104,255, WILLIAM BOTHE.  
PORTABLE WRITING-DESK.



104,268, JOS. L. CHAPMAN.  
BRICK-MACHINES.



104,263, W. H. BUTLER.  
SAFE-DEPOSIT BOXES.



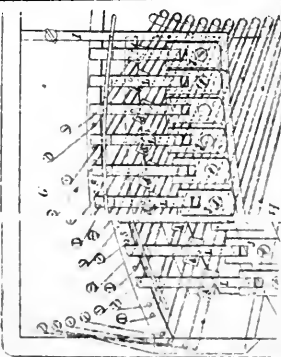
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BOLT-HOLDERS.

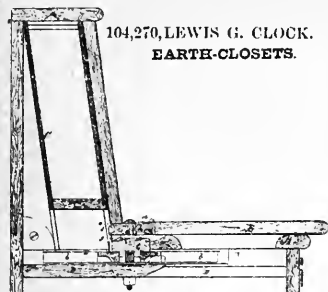


104,269,  
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HENRY W. CADY.  
COAL-STOVE.



104,256,  
WILLIAM BOURNE.  
PIANO-FORTES.



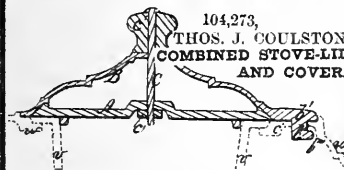


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EARTH-CLOSETS.

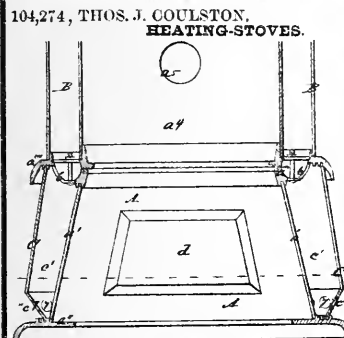
THEODORE CLOUGH. GAS-BURNERS.  
104,271,



104,272, CYRUS COLE.  
STOVE-COVER  
DISH AND KETTLE-LIFTER.

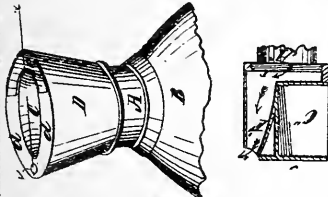


104,273,  
THOS. J. COULSTON.  
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AND COVER.

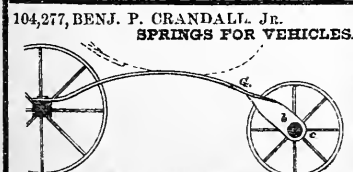


104,274, THOS. J. COULSTON.  
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104,275, E. T. COVELL. REVERSIBLE  
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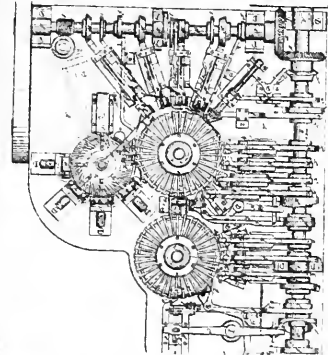


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J. G. STOAKES.  
COMPOSITION FOR TANNING.

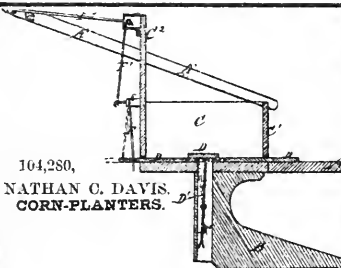


104,277, BENJ. P. GRANDALL, JR.  
SPRINGS FOR VEHICLES.

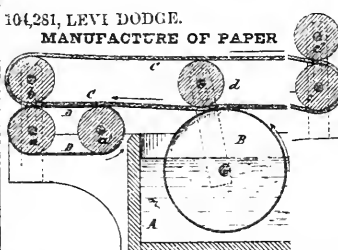
104,278, CHAUNCEY O. CROSBY.  
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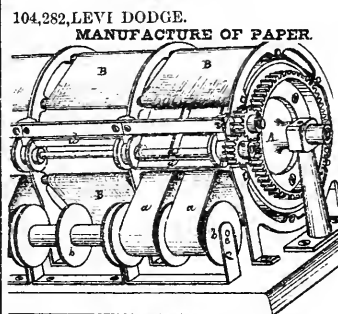
104,279, DANIEL CURRIE.  
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NATHAN C. DAVIS.  
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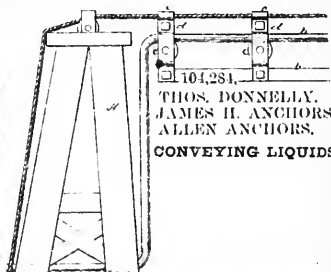
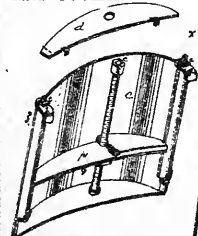


104,281, LEVI DODGE.  
MANUFACTURE OF PAPER



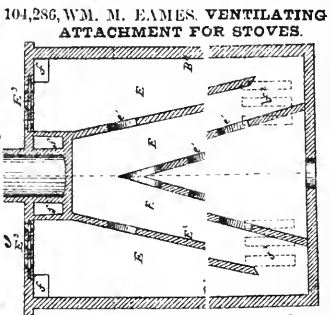
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MANUFACTURE OF PAPER.

104,283, WILLIAM B. DOLSEN.  
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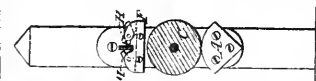
104,284,  
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JAMES H. ANCHORS,  
ALLEN ANCHORS.  
CONVEYING LIQUIDS.

104,285, PETER DOYLE.  
FREDERICK P. COLTON.  
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AND CLEANING MARBLE.

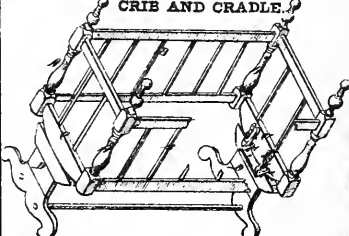


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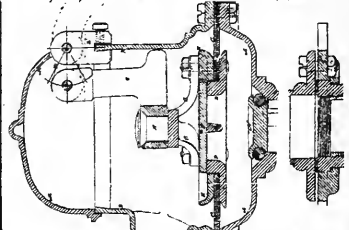
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J. B. HUNTER. GATE-LATCHES.



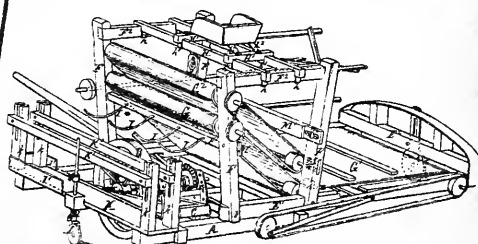
104,288, WILLIAM H. EARNST.  
CRIB AND CRADLE.



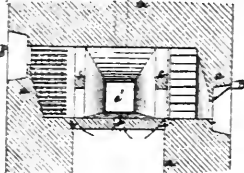
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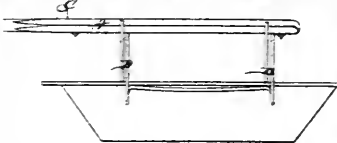
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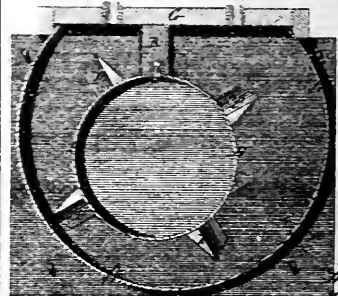
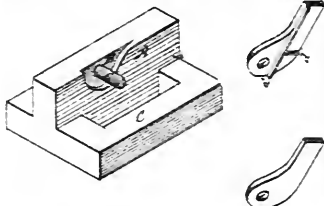
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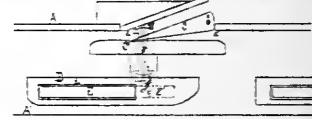
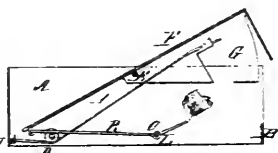
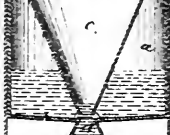
104,298, EDWIN GIBBS. PLATE-LIFTER.



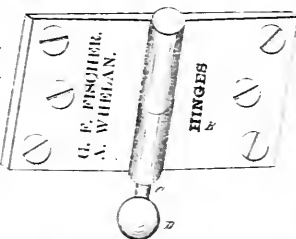
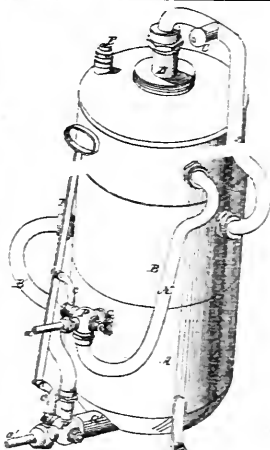
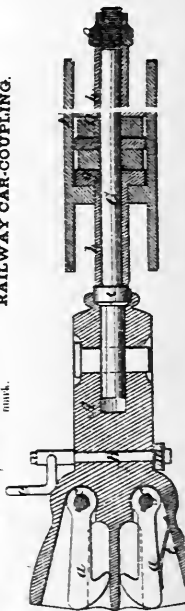
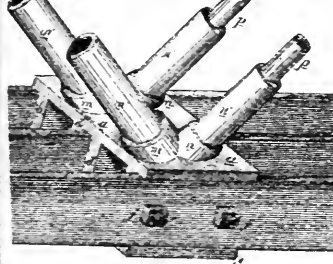
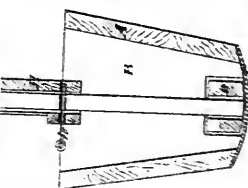
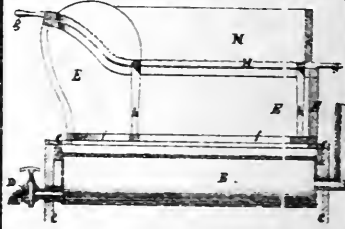
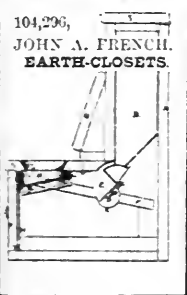
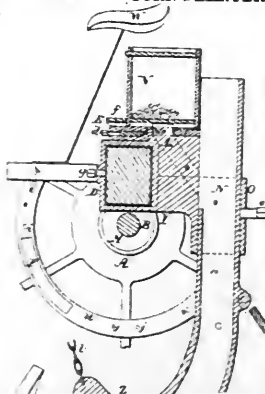
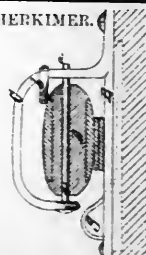
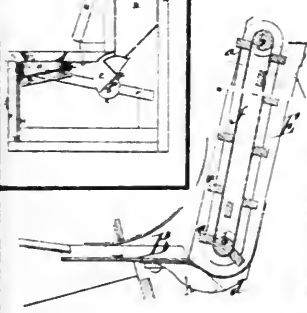
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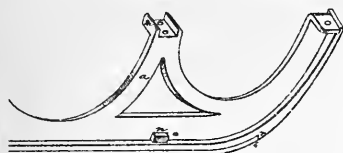
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104,299, E. W. GIDDINGS. WINDOWS.

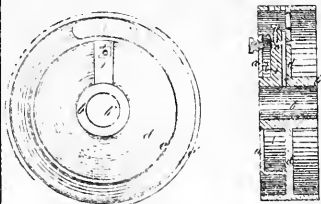
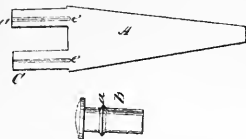
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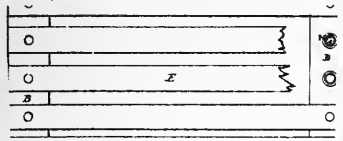
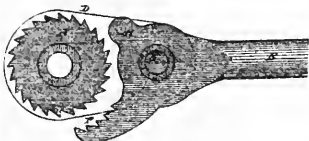
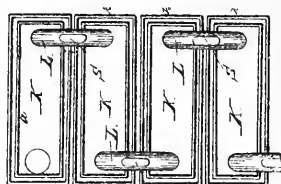
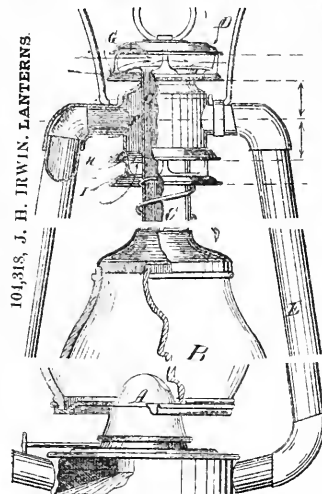
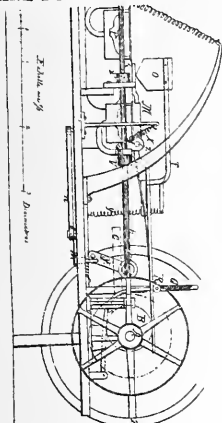
104,301, JOHN F. GRUBER.  
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104,308, DANIEL HOLDIMAN.  
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104,316, GEO. S. HURFORD. HINGES.

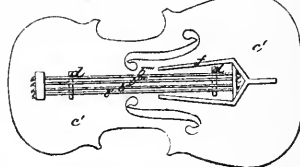
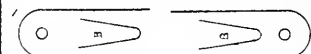
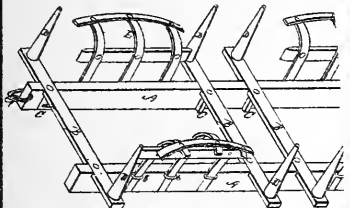
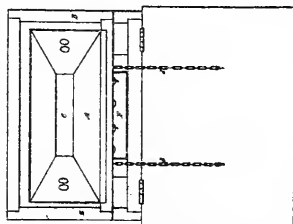
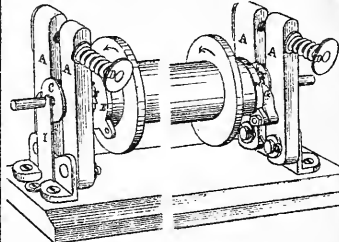


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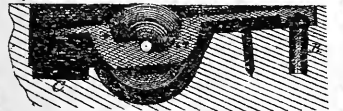
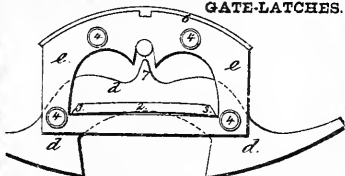
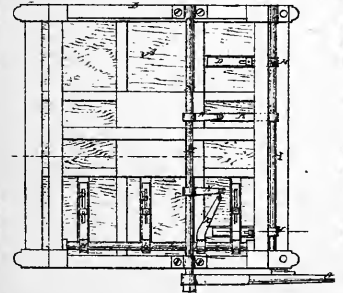
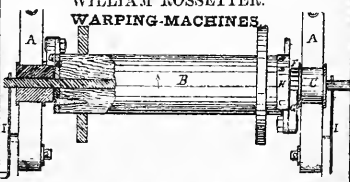
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104,318, J. H. IRWIN. LANTERNS.

104,324, THOMAS P. KNOX. VIOLINS.

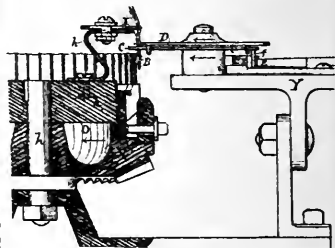
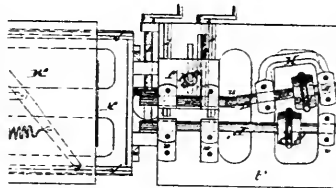
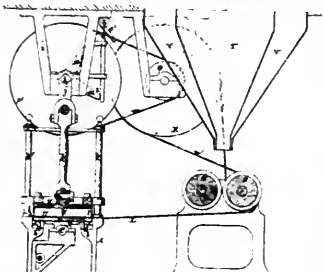
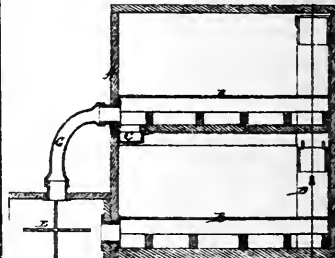
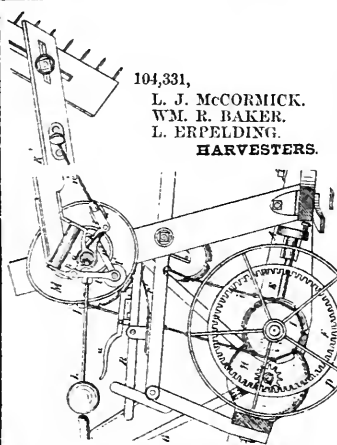
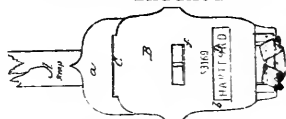
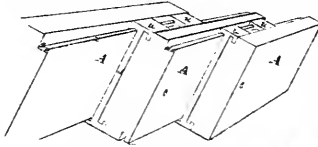
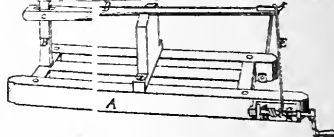
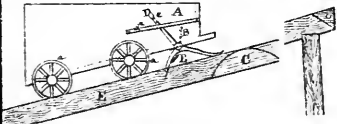
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104,314, R. B. HUGUNIN. SASH-HOLDERS.

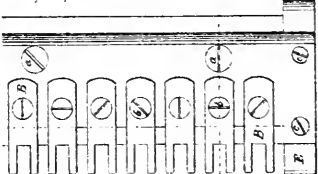
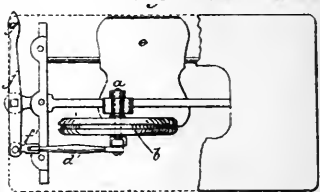
104,320, JOB JOHNSON.  
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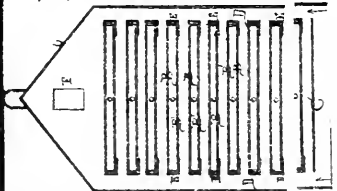
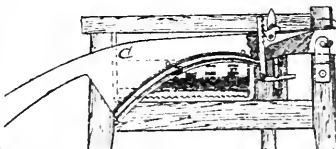
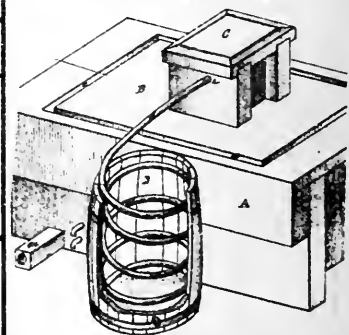
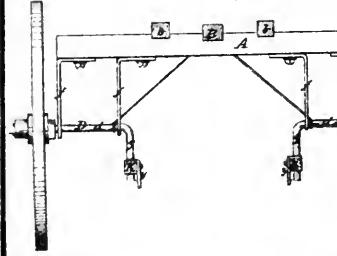
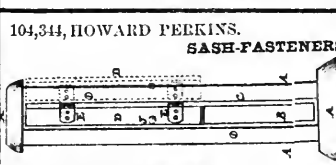
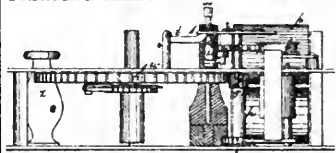
104,330. H. MAUTHE. BRICK-MACHINE.

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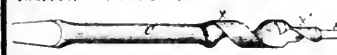
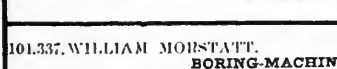
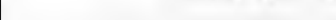
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104,350. ORLANDO B. POTTER.  
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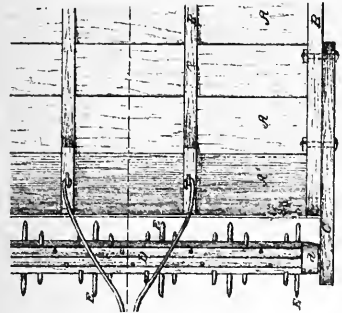
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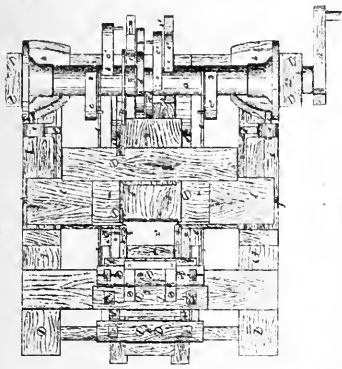
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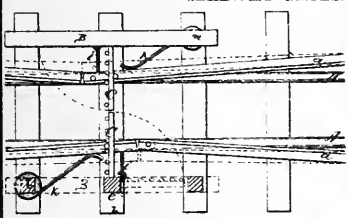


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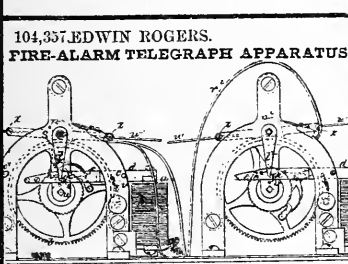


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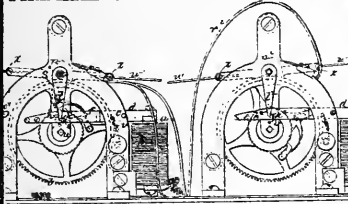
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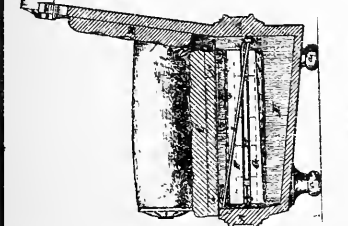
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TO INCREASE THE FRICTION  
BETWEEN BELTS AND PULLEYS.



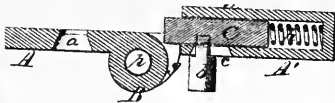
104,357, EDWIN ROGERS.  
FIRE-ALARM TELEGRAPH APPARATUS.



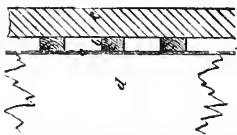
104,358, JAMES J. RUSS, SOFA-BED.



104,359, D. C. SAGE.  
HINGES FOR BLINDS.



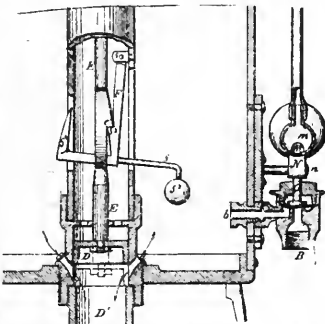
104,360, JOHN J. SCHILLINGER.  
WALLS AND FLOORS FOR BUILDINGS.



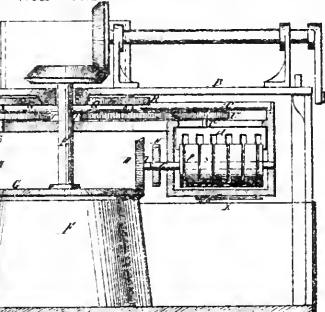
104,361, JOHN SCHWAB.  
BLACKING-BRUSH AND CASE.



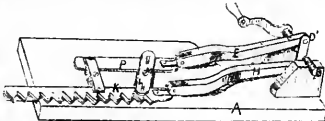
104,362, WM. D. SEAL, HYDRAULIC  
AIR-COMPRESSING APPARATUS.



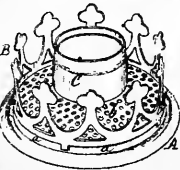
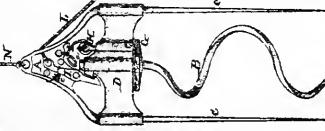
104,363, HENRY SEIB, MEAT-CUTTER.



104,364, HENRY F. SHAW, CUTTING  
APPARATUS FOR MOWING-MACHINES.

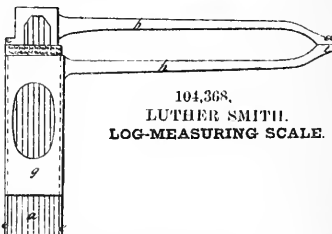
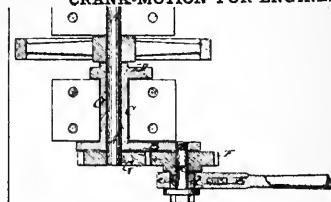


104,365, AMOS SHELLENBERGER.  
HORSE HAY-FORKS.



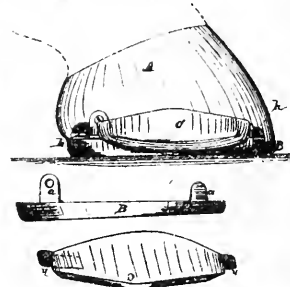
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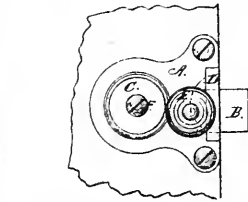


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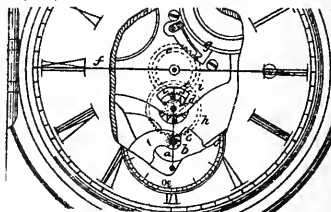
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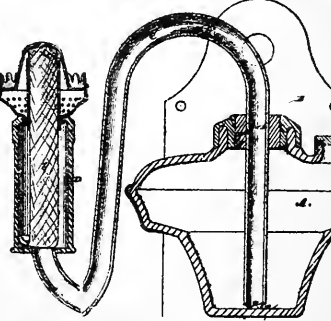
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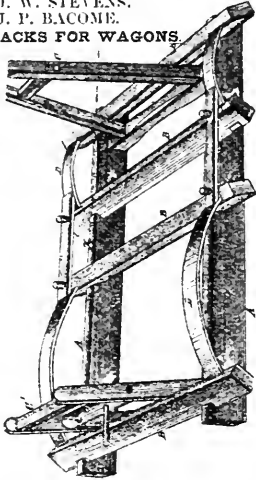
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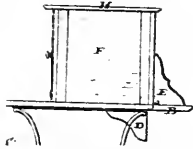
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T. W. WILLSON.



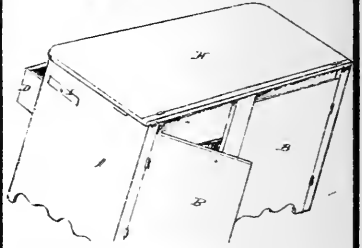
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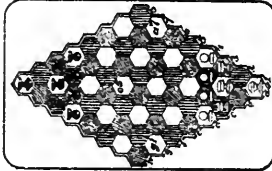
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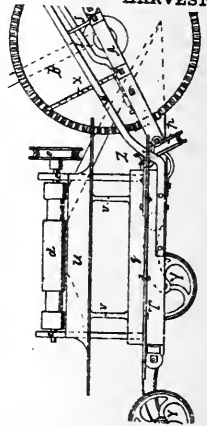
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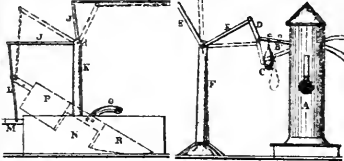
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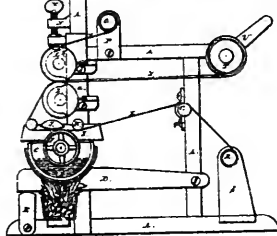
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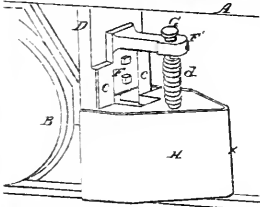
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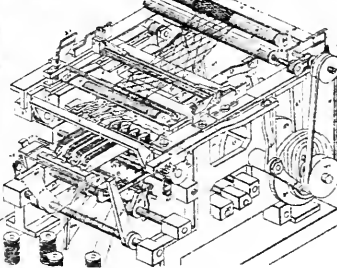
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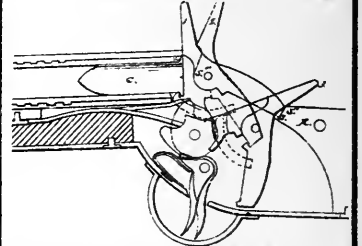
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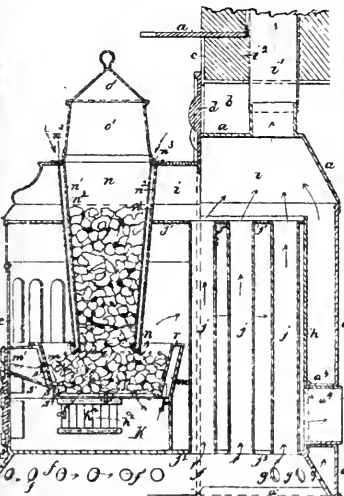
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104,387, JAS. M. WHITEMORE.  
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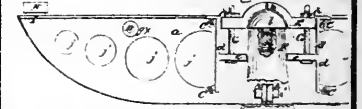
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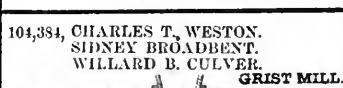
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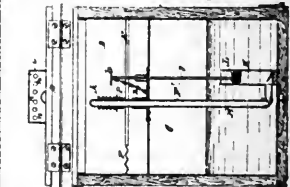
104,388, ANDREW JACKSON WIGHT.  
WILLIAM LEWIS MEEKER.  
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RAILWAYS.



104,383, CHARLES C. WARREN.  
JAMES B. BALDY.  
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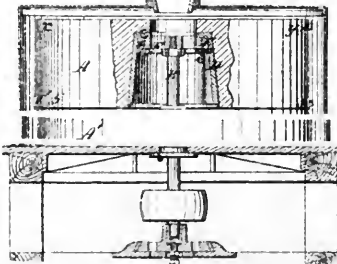
104,389, M. H. WILEY OIL CABINET.



104,377, ALBERT THAYER.  
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104,384, CHARLES T. WESTON.  
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WILLARD B. CULVER.  
GRIST MILL.

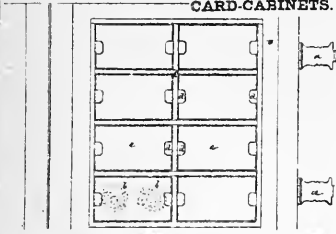


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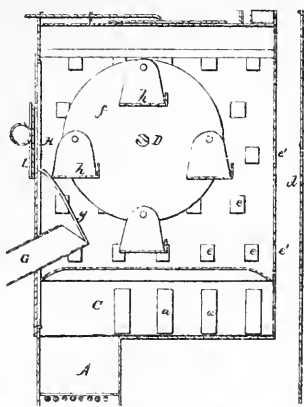


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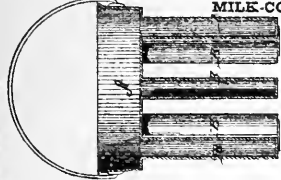
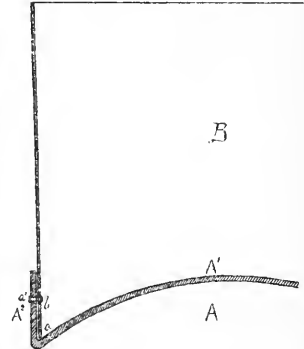


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4,031, LOUISE F. SHAW. IMITATION-  
HAIR FOR LADIES' HEAD-RESS.

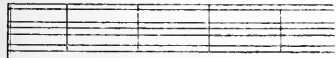
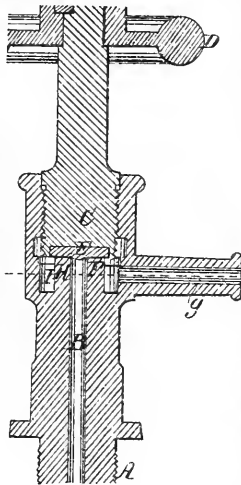
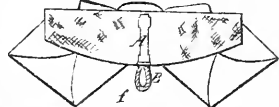
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4,032, H. W. SHEPARD.  
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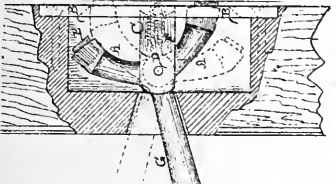
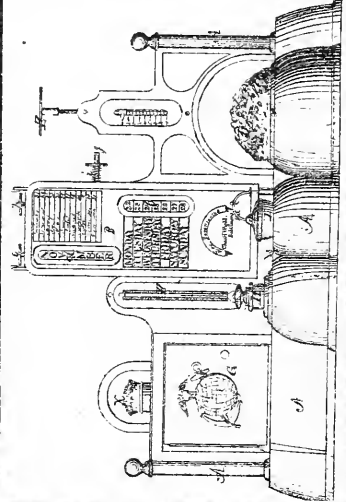
104,393, HORTON WRIGHT.

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104,394, ALFRED YOUNG.  
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STEAM-GAUGE COCKS.4,033, DENNIS H. TIERNEY.  
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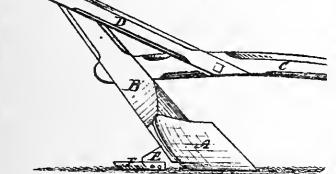
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4,034, CHARLES H. WIGHT.  
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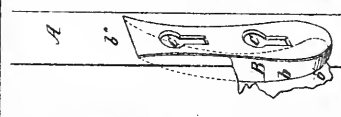
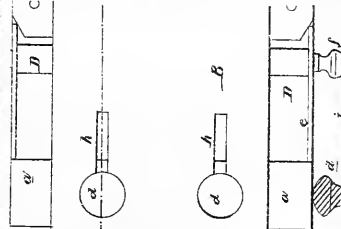
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COTTON-SCRAPERS.



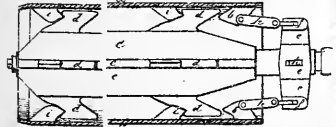
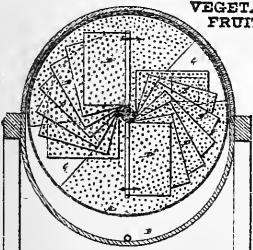
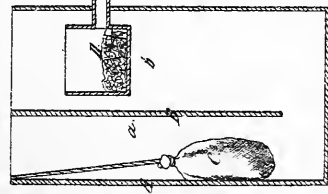
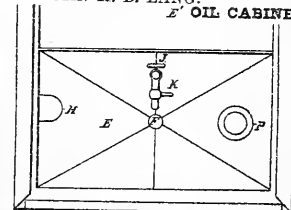
4,028, JAMES L. HAVEN &amp; CO.

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4,029, E. J. HOWLETT. TOOL FOR  
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104,397, JOHN ENRIGHT.

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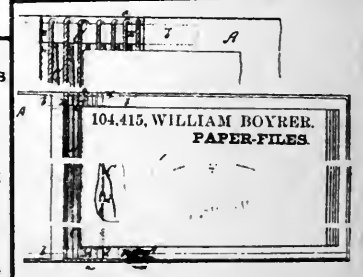
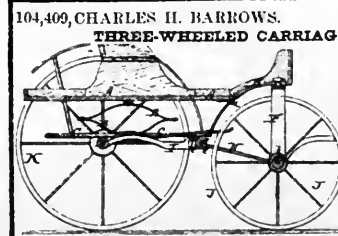
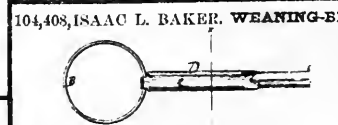
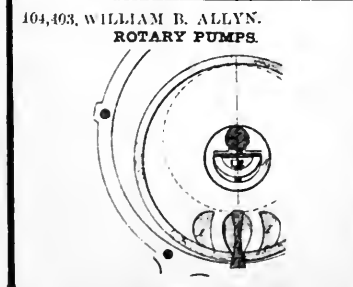
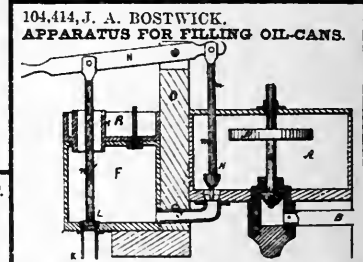
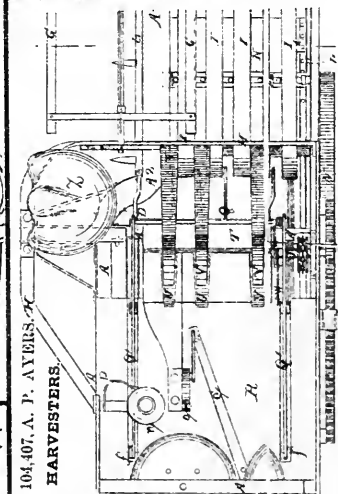
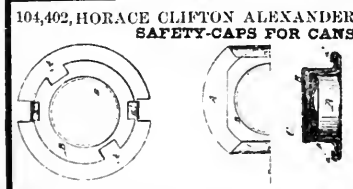
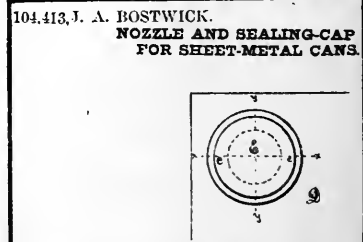
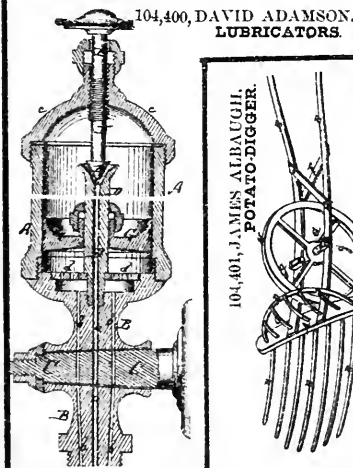
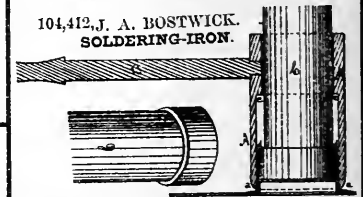
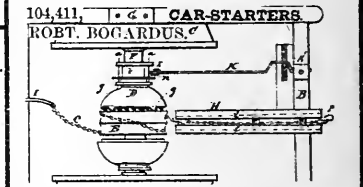
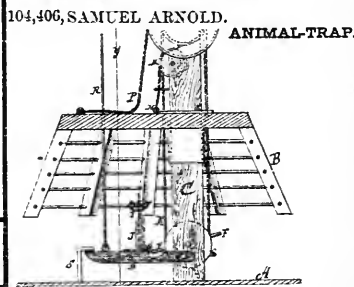
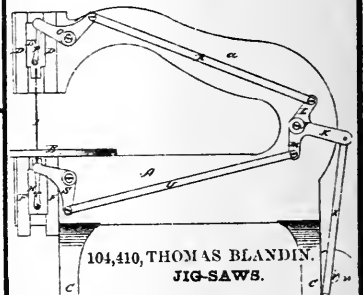
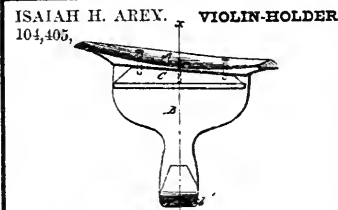
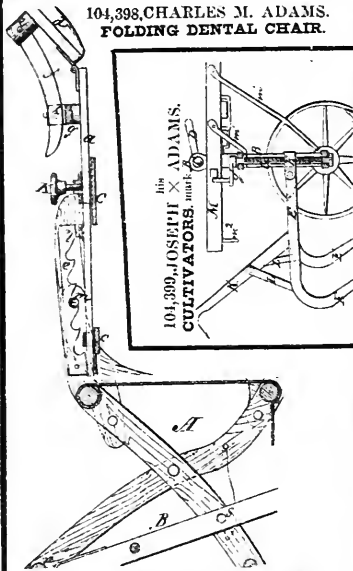
4,025, E. D. AVERELL.  
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## ILLUSTRATIONS OF PATENTS

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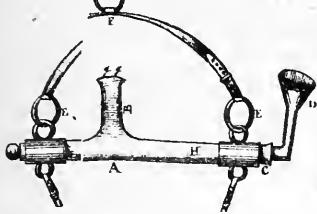
## THE UNITED STATES PATENT OFFICE

JUNE 21, 1870.

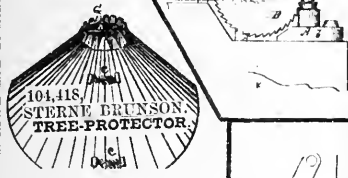
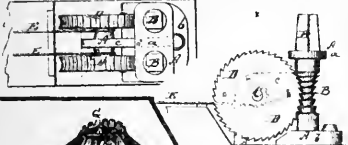




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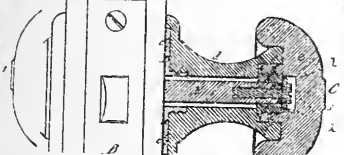
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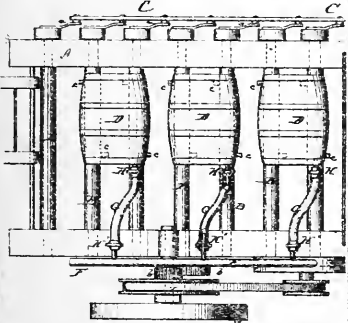
NATHANIEL E. BUFFINGTON.  
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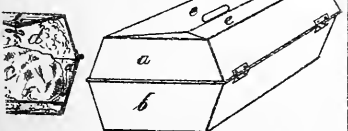
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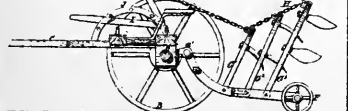
104,421, DAVID CAMMERER.  
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104,422, JOHN J. CARROLL.  
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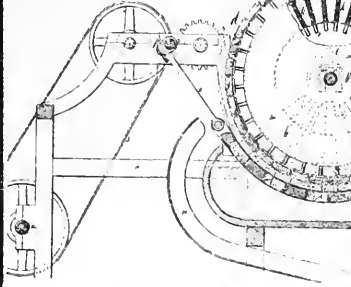


JAMES A. CASEY, SULKY-HARROWS, &c.  
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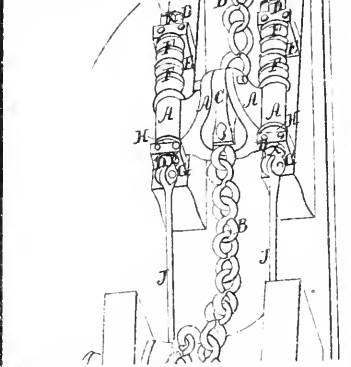


104,424, ANGELO CATTANEO.

MACHINES FOR FELTING HATS.



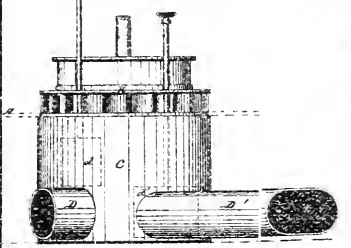
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JOHN J. EMERY.  
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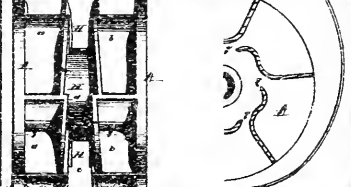
104,426, EDW. B. CLARK. PIPE-TONGS.



104,427, WILLIAM A. CORB.  
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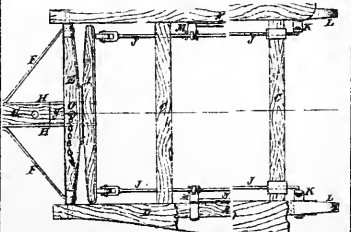


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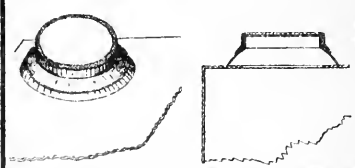


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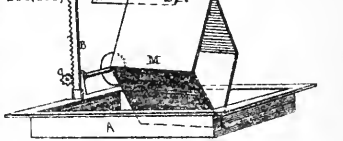
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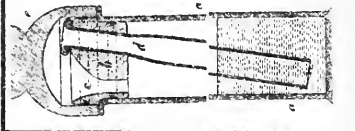
104,430, E. T. COVELL. NOZZLE AND CAP  
FOR OIL-CANS.



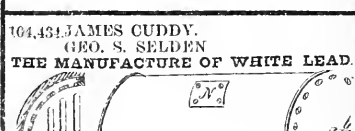
E. T. COVELL. SOLDERING-MACHINE.



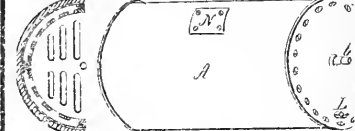
104,432, DANIEL H. CROSS.  
VIAL FOR FILTERING COLLODION.



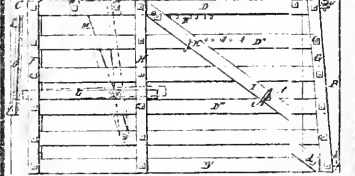
104,433, VELENS W. CROUSEN.  
METHOD OF COVERING WHIPS.



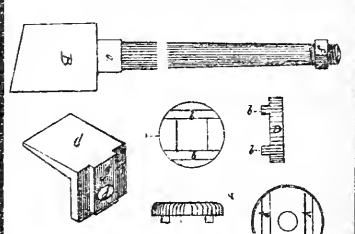
104,434, JAMES CUDDY,  
GEO. S. SELDEN  
THE MANUFACTURE OF WHITE LEAD.



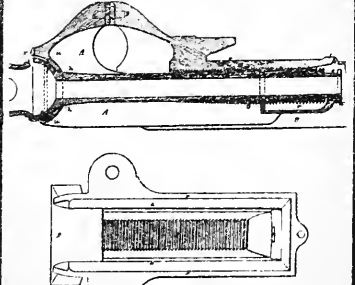
104,435, JOHN DICKASON.  
FARM-GATE.



104,436, CHARLES T. DURHAM.  
JAMES WOOD,  
THEODORE HAIR.  
GAUGE-KNIFE FOR CUTTING LEATHER.

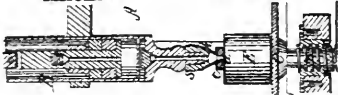


104,437, JACOB EDSON. VISE.



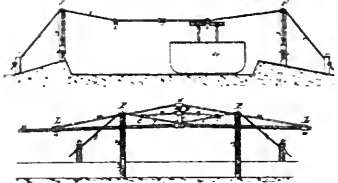
104,438, JOHN H. ELLIS.

MACHINES FOR CANNING FRUIT.

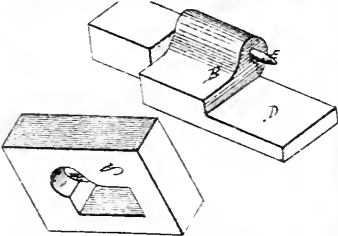


104,439, A. H. EMERY.

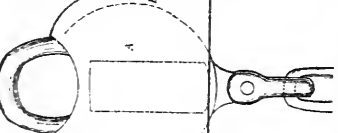
GABRIEL LEVERICH APPARATUS FOR TOWING CANAL-BOATS.



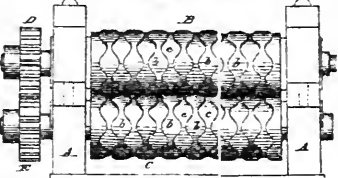
104,440, JOHN EVANS. DIE FOR FORGING EARS FOR CARRIAGE-SPRING HEADS.



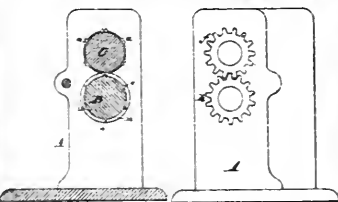
C. C. GALE. SHIELDS FOR PADLOCKS.



104,442, THOMAS GARRICK. MACHINE FOR FORMING EYELET-STOCK.

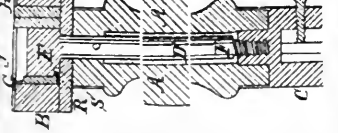


104,443, THOMAS GARRICK. MACHINE FOR FEEDING STOCK TO EYELET-MACHINES.



104,444, JEREMIAH C. GASTON.

HAND-STAMPS.

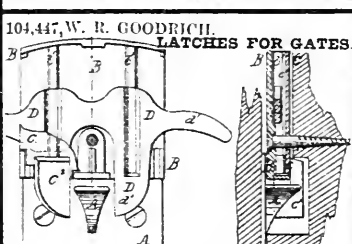


104,445, A. W. GATES. CARD-CLOTHING.



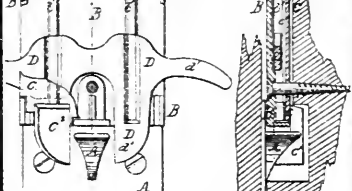
104,446, OTTO GAVRON.

THE PREPARATION OF MINERAL BATH TO IMITATE MINERAL WATERS.



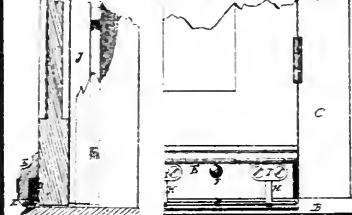
104,447, W. R. GOODRICH.

LATCHES FOR GATES.



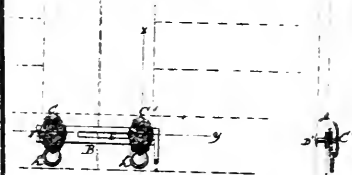
104,448, JEROME M. GRAY.

WEATHER-STRIPS FOR DOORS.



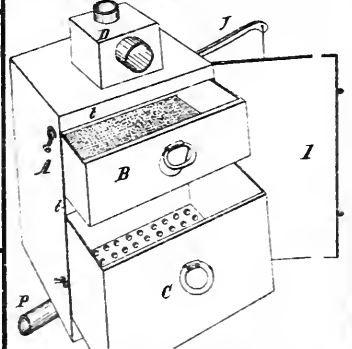
104,449, GEORGE B. GREEN.

BOLTS FOR DOORS AND SHUTTERS.



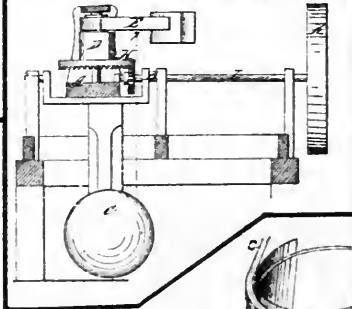
104,450, JAMES C. HALL.

RAIN-WATER CONDUCTOR AND FILTER.



104,451, WILLIAM HANDMILL.

MECHANICAL MOVEMENT.



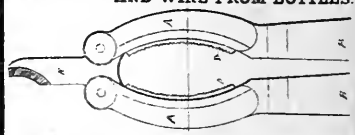
104,452, J. W. HAVILAND.

MILKING-STOOLS.



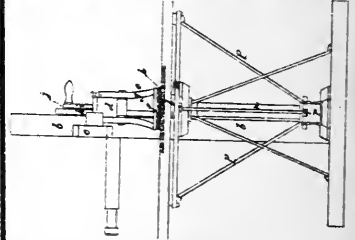
104,453, JOHN T. HAVILAND.

INSTRUMENT FOR REMOVING TWINE AND WIRE FROM BOTTLES.



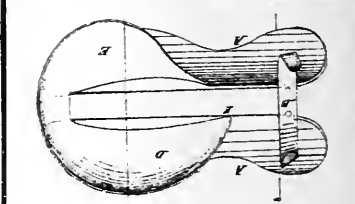
104,454, JOSEPH WARSON HILDRETH.

MACHINE FOR BOARDING LEATHER.

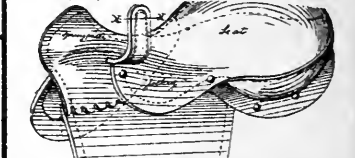


104,455, WILLIAM HILL.

SIDE-SADDLE TREE.



104,456, WILLIAM HILL. SIDE-SADDLE.

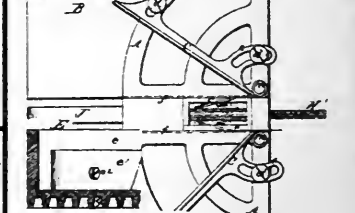


104,457, RICHARD H. HOPKINS. AUGER.



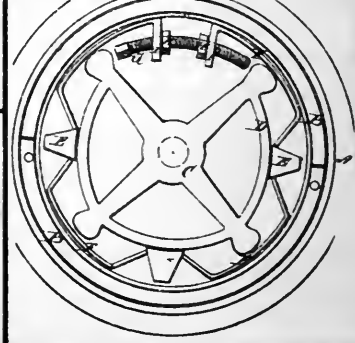
104,458, J. R. HOWELL.

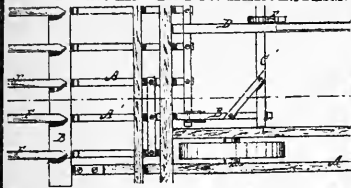
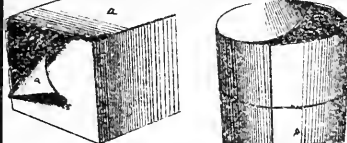
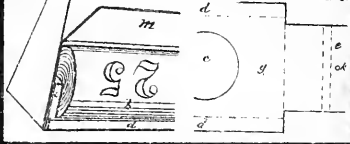
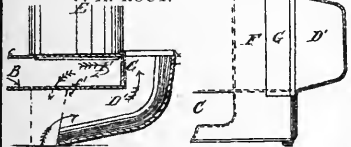
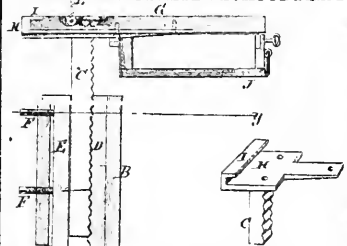
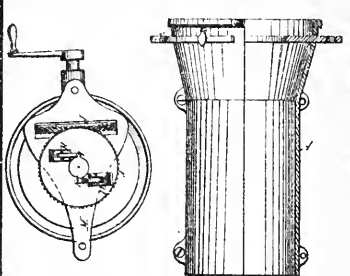
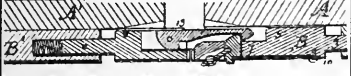
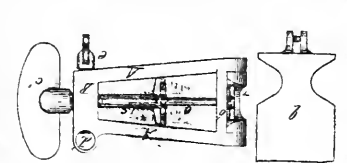
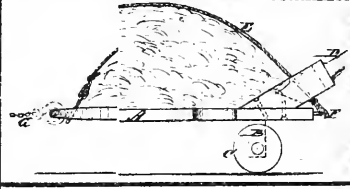
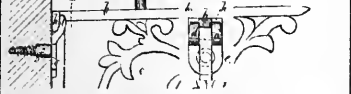
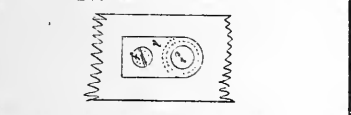
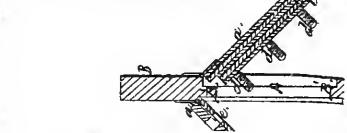
MITER-MACHINES.



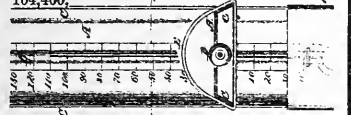
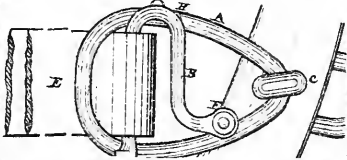
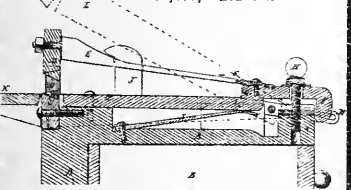
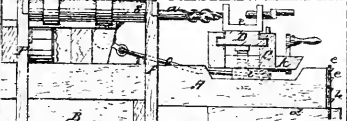
104,459, JOHN HUGHES.

PISTON PACKING.

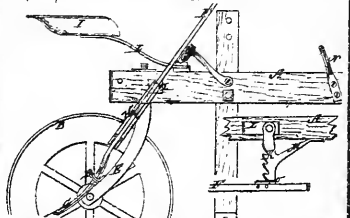


104,460, WM. M. JACKSON.  
GRAIN-LIFTER FOR HARVESTERS.104,470, OSCAR LOEW. BLEACHING  
DARK SOAPS AND "FOOTS."EMILE F. LOISEAU, 104,471.  
CHARLES F. REQUIN. ARTIFICIAL FUEL.104,478, WILLIAM MCADAMS.  
JOURNAL-BEARINGS  
FOR CALENDAR-ROLLS.104,461, S. S. JEWETT. COOKING-STOVE.  
P. H. ROOT.104,472, CHARLES H. LOOMIS.  
J. ADJUSTABLE SCHOOL-DESK.104,479, JOHN MCCLELLAND. DEVICE  
FOR MOLDING AND CASTING PIPE.104,462, WILLIAM J. JOHNSON.  
CAR-COUPPLINGS.104,473, BAXTER LYON. HEAD-REST.  
CHARLES M. CURTIS.104,480, GALEN MEADERS.  
HAY-GATHERER AND CARRIER.104,463, ALBERT D. JUDD.  
METALLIC BRACKET.104,464,  
ALBERT D. JUDD.  
E. M. JUDD.  
METALLIC BRACKET.104,465, MORTON JUDD.  
SPRING BOLTS FOR WINDOWS.104,474, CHARLES E. MARSHALL.  
SHIPS' PORTS.

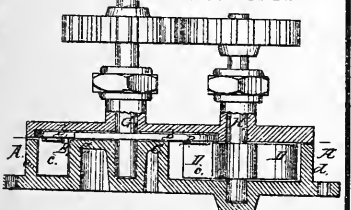
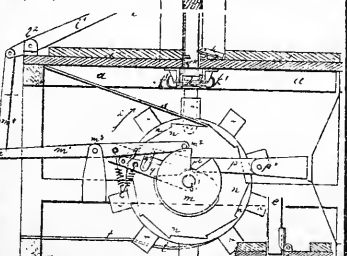
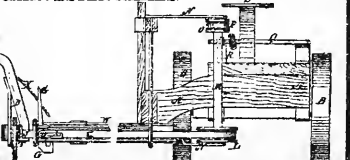
JOHN KENDALL. THERMOMETERS.

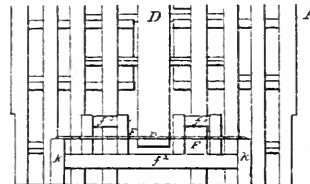
104,475, JOHN H. MARTIN.  
BREAST-STRAP FASTENING  
FOR HARNESS.MORITZ THEODORE KLAHRE.  
104,467, SAW-SET.MACHINE FOR BORING POSTS AND  
104,476, POINTING RAILS.  
RUDOLPH MARTIN.  
MATTHEW HARNER.

104,482, JESSE C. MILES. HARVESTERS.

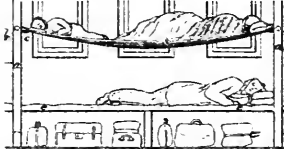
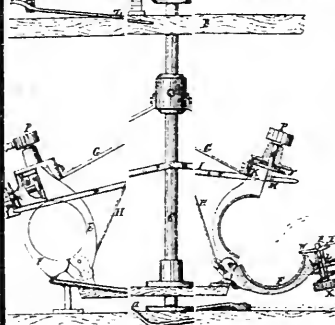
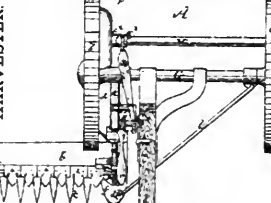
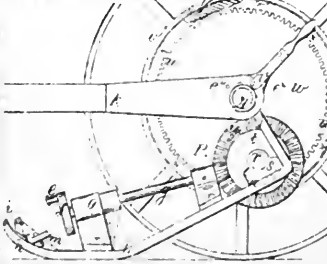
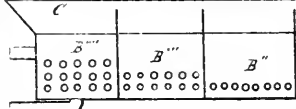
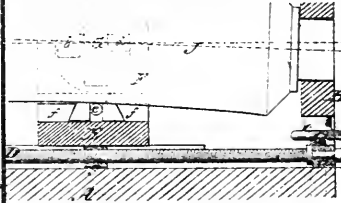
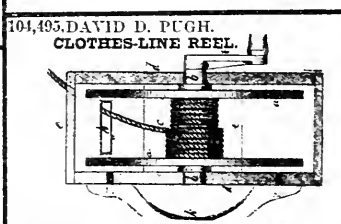
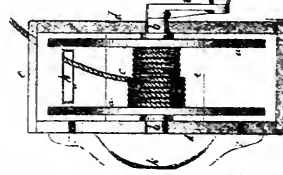
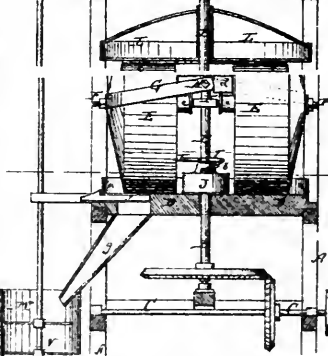
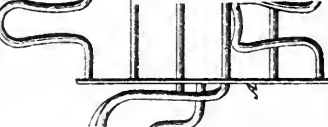
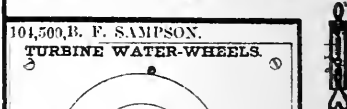
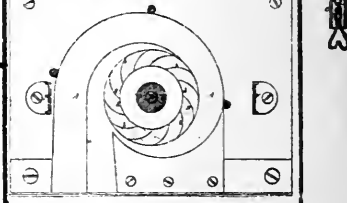
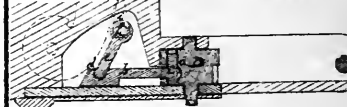
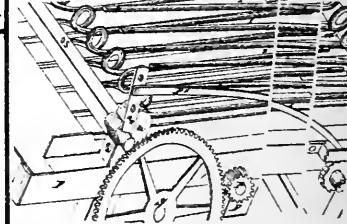
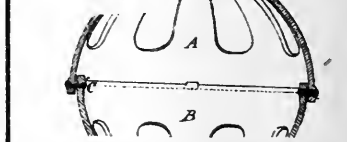


104,468. SUSPENDED.

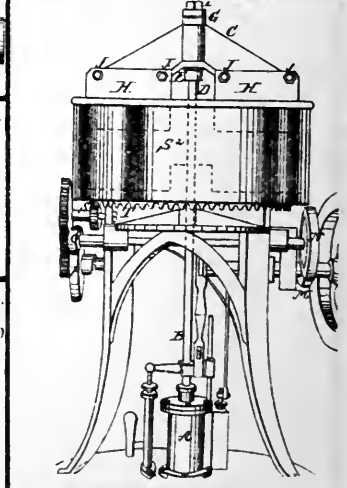
104,469, A. LEUCHTWEISS.  
ROTARY PUMPS.CHAS. A. MAXFIELD. PAPER-BOX  
104,477. MACHINES.104,483, WILLIAM WASHINGTON MILLER.  
HARVESTER-RAKES.

104,481, D. E. MITCHELL.  
DOUBLE-LEVER MASTER-WHEEL

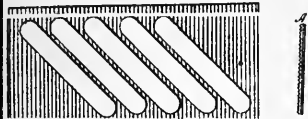
104,483, GEO. F. MORSE. SLEEPING-CARS

104,486, MICHAEL C. MURPHY.  
VENTILATING WINDOW  
FOR RAILROAD-CARS104,487, W. B. OGLESBY.  
GRAIN BINDERJOEL A. OTIS.  
104,488,  
PAIR-EARS.104,489,  
J. C. PERRY.  
HARVESTER.104,490, JOHN G. PERRY.  
HARVESTERS.104,491, S. A. POCHÉ.  
EVAPORATING CANE-JUICE.104,492, J. MORTON POOLE.  
MACHINE FOR GRINDING ROLLERS.104,493, JOHN A. PRICE.  
STOVE-DOOR AND HEARTH104,494, CHRISTOPHER T. PROVOST.  
CONCENTRATING THE JUICE  
OF TOMATOES104,495, DAVID D. PUGH.  
CLOTHES-LINE REEL104,496, JESSE QUAINANCE.  
QUARTZ-CRUSHERS.104,497, JOSIAH M. READ, GRIDIRON FOR  
STOVES AND RANGES.CULTIVATOR AND ROLLER COMBINED.  
LINAS G. REED.  
ERASTUS E. REED  
104,498.104,499, GEO. S. RICE.  
POCKET OR "CHARM" LETTER-SCALE104,500, B. F. SAMPSON.  
TURBINE WATER-WHEELS.104,501, SIDNEY SANDERS.  
STEAM-RADIATOR104,502, E. L. SARGENT.  
BREECH-LOADING FIRE-ARMS.104,503, WILLIAM SCHNEBERLY.  
THRASHING-MACHINES.104,504, DAVID A. SCOTT.  
SPRING BED-BOTTOM.JAMES S. SMITH.  
TWIN-HOLDER  
104,505.

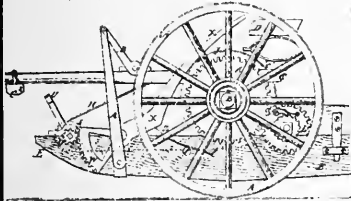
104,506, JOHN E. SMITH, MEAT-CUTTER



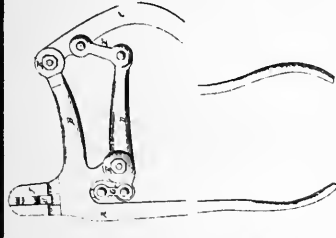
104,507, THOMAS S. SMITH.  
METHOD OF MAKING FILES.



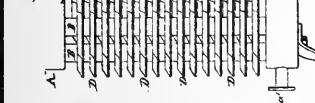
MAJOR JOSEPH W. STIVERS.  
104,508,  
SEED-STRIPPERS.



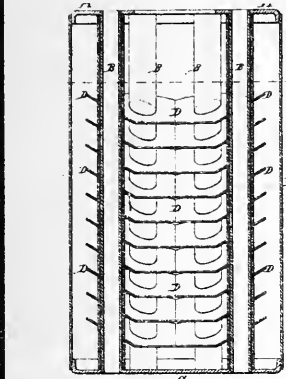
104,509, MATTHIAS THEISEN.  
BOLT AND RIVET-TRIMMER.



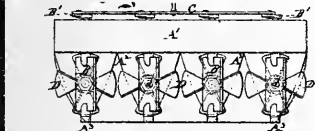
SAML. D. TILLMAN. STEAM HEATER.  
104,510.



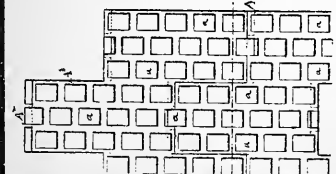
104,511, SAML. D. TILLMAN.  
STEAM-GENERATOR.



104,512, SAML. D. TILLMAN.  
PROPELLING VESSELS.



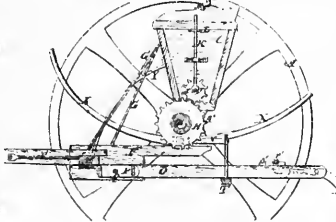
104,513, SAML. D. TILLMAN.  
METALLIC PAVEMENTS.



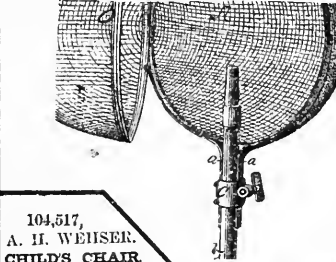
104,514, WM. H. TOWERS.  
COMPOSITION ROLLS FOR  
CLOTHES-WRINGERS.



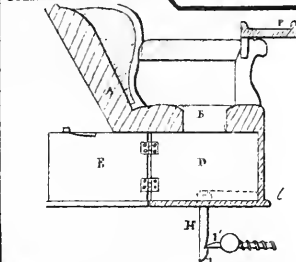
104,515, JAMES T. TROWBRIDGE.  
SEEDER AND CULTIVATOR COMBINED.



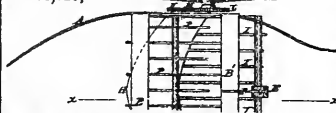
104,516, HIRAM J. WATTLES.  
SHIELDS FOR GAS-BURNERS.



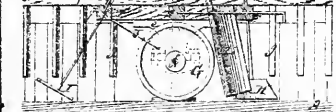
104,517,  
A. H. WEUSEN.  
CHILD'S CHAIR.



D. B. WESTFALL. POTATO-DIGGERS.  
104,518,



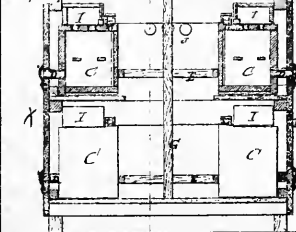
SETH WETMORE. MORTAR-MIXERS.  
104,519.



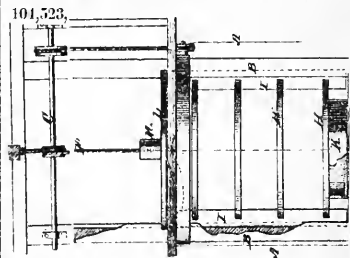
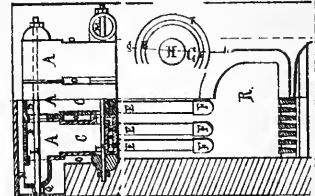
104,520, NELSON S. WHIPPLE.  
GLUE OR CEMENT.



NATHANIEL F. WHITE. BEE-HIVES.  
104,521

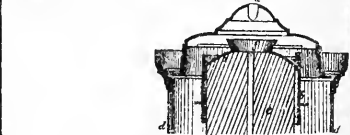


104,522, S. LLOYD WIEGAND.  
STEAM-GENERATOR

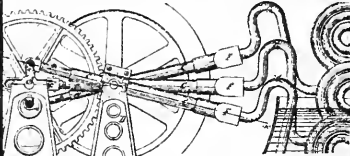


104,523, RICHD. S. WILLIAMS.  
PREPARING GOLD FOR DENTISTS' USE.

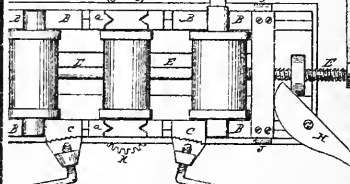
104,525, THOMAS SCOTT WILLIAMS.  
FREEMAN AUGUSTUS TABER.  
LAMP FOR BURNING CANDLES.



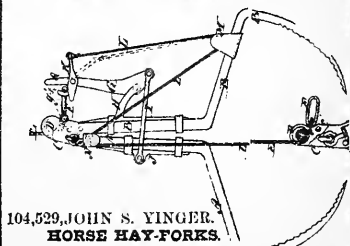
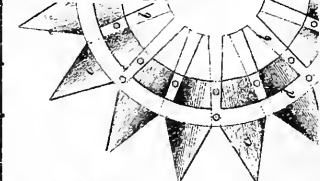
104,526, CHAS. G. WILSON.  
MERCURIAL-EXPANSION ENGINE.



104,527, JNO. T. WOODWARD.  
APPARATUS FOR BENDING  
AND UPSETTING TIRE.

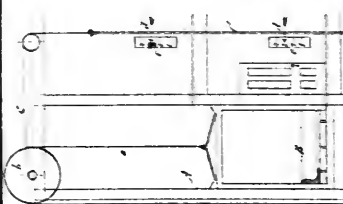
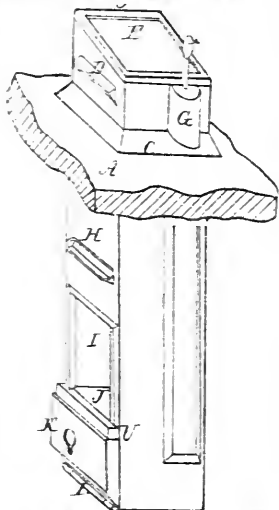


104,528, EMUEL W. WRIGHT.  
PADDLE-WHEELS



104,529, JOHN S. YINGER.  
HORSE HAY-FORKS.

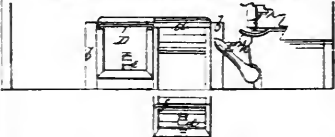


104,529. W. H. YOUNG.  
FARE-BOXES FOR OMNIBUSES. &c.

104,536. BENJAMIN BAKER.

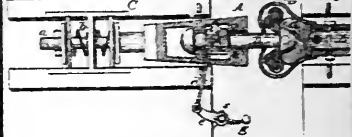
TERASHING-MACHINES.

GRAIN-MEASURING ATTACHMENT TO



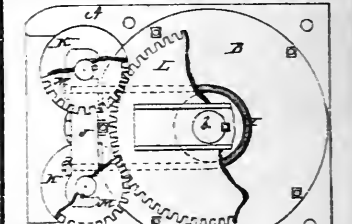
104,543. LEOPOLD BIDDLE.

CAR-COUPLING.



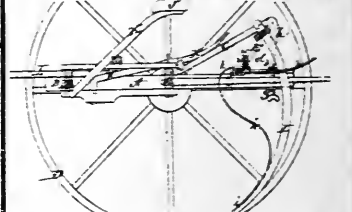
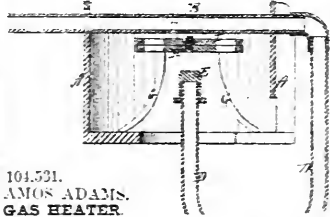
104,544. TENNESSE BECCUS.

CANE-MILLS.



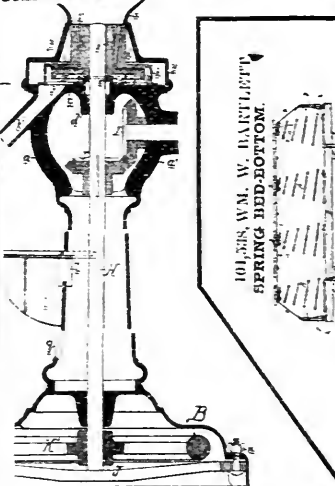
104,545. LEWIS S. BORTER.

HORSE HAY-RAKES.

104,531.  
AMOS ADAMS.  
GAS HEATER.104,532. SATTERLEE ARNOLD. MODE OF  
UNITING EDGES OF KNITTED GOODS.

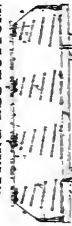
104,537. JOHN GULICK BAKER.

GRINDING-MILLS.



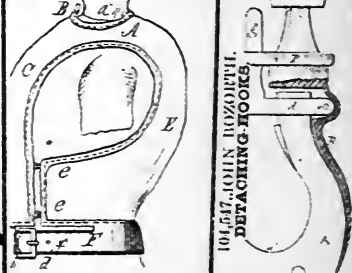
104,538. WM. W. BARTLETT.

SPRING BED-BOTTOM.



104,546. THOS. B. BOYD.

LIFE-PRESERVERS.

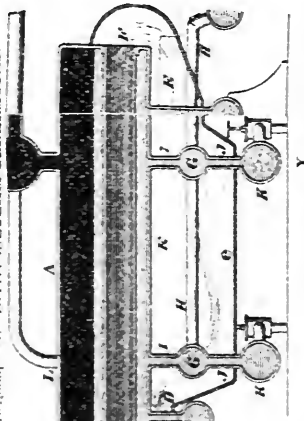


104,547. JOHN HODGKIN.

DETACHING-HOOKS.



104,533. ARTHUR STEAM-GENERATORS.



104,539. CHAS. C. BARTON.

DRAWING-KNIVES.



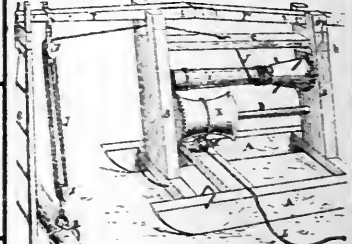
104,540. EMANUEL D. BEALES.

EDGE-IRON FOR SHOEMAKERS.

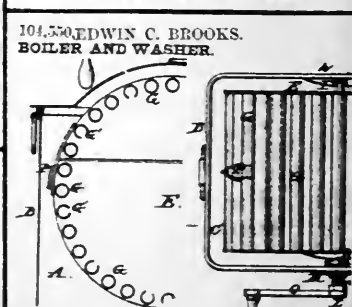


104,548. JAMES G. BRADY.

LOG-LOADERS AND FILERS.

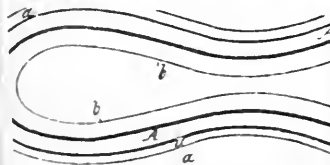


104,549. LEONARD BROCKETT SOAP.



104,534. R. ASHIE.

CHANNEL FOR BOOTS AND SHOES.



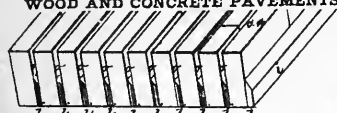
104,535. WM. S. AUCHINCLOSS.

APPARATUS FOR INDICATING THE  
POSITION OF ELEVATORS.

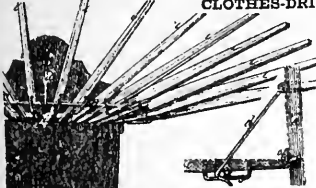
104,542. JOHN BERLIEN.

BILLIARD-CUSHIONS.



104,551, J. WARREN BROWN. COMBINED  
WOOD AND CONCRETE PAVEMENTS.

104,552, WILLIAM H. BUELL. CLOTHES-DRIER.



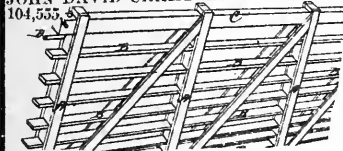
104,553, THOMAS CARTER. METAL ROOFING.



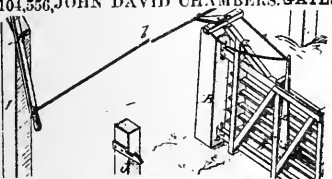
104,554, GEO. W. CASILEAR. PRINTING-INK.



JOHN DAVID CHAMBERS. GATES.



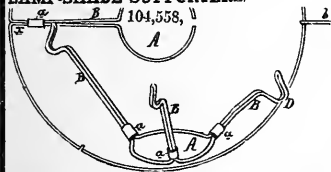
104,556, JOHN DAVID CHAMBERS. GATES.



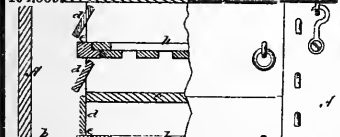
104,557, WILLIAM H. CHAMBERLIN. DRAFT AND HOLD-BACK ATTACHMENT.



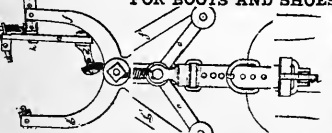
ERNST EUSTACH CONRAD. LAMP-SHADE SUPPORTERS.



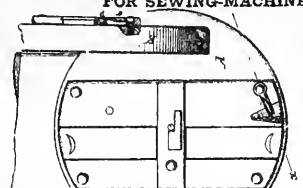
DR. NEWTON C. COOLEY. FRUIT-DRIER.



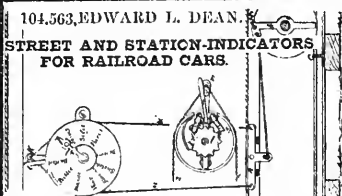
104,560, LOUIS COTE. SOLE-EDGE-FINISHING MACHINE FOR BOOTS AND SHOES.



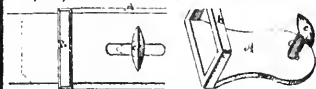
104,561, JOHN CROWE. THREAD-CUTTER FOR SEWING-MACHINE.



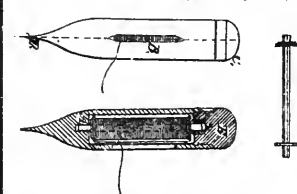
104,562, AUSTIN G. DAY. ASPHALTUM OR CONCRETE PAVEMENTS.



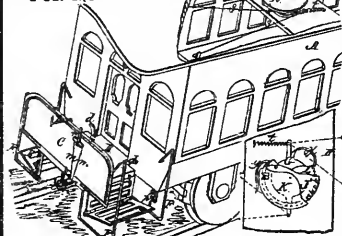
104,564, THOS. DUNCAN. BUCKLES.



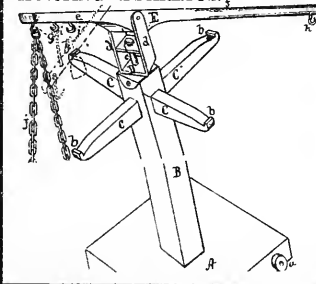
104,565, B. L. FETHEROLF. TATTING-SHUTTLES.



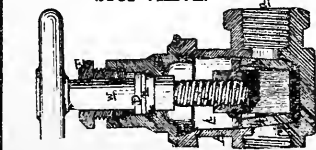
104,566, EUGENE L. FITCH. PASSENGER-REGISTER FOR HORSE-CARS.



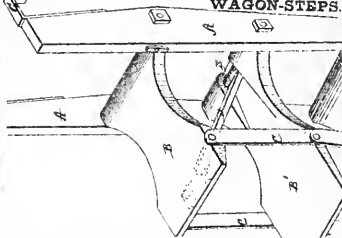
104,567, OLIVER H. FLOOK. HOISTING-APPARATUS.



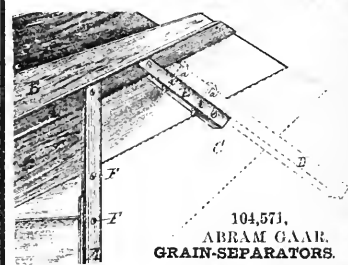
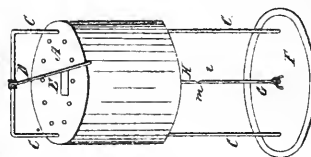
104,568, JAMES FLOWER. STOP-VALVE.



104,569, MORTON C. FLOYD. WAGON-STEPS.

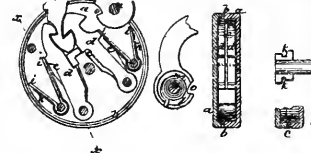


104,570, FRANCIS FOX. ANIMAL-TRAP.

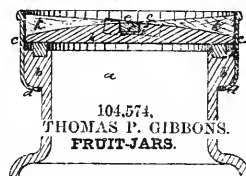
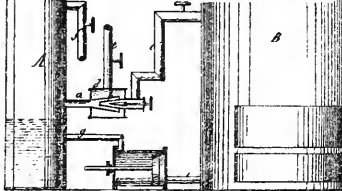


104,571, ABRAHAM GAAR. GRAIN-SEPARATORS.

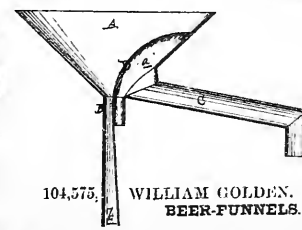
104,572, E. L. GAYLORD. PADLOCKS.



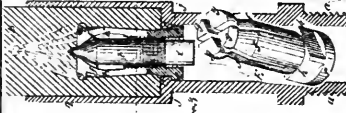
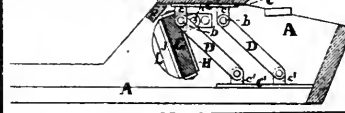
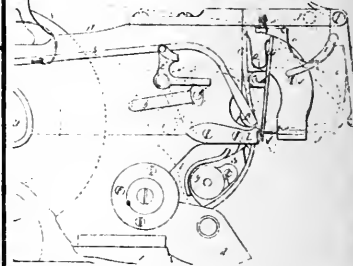
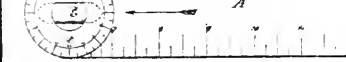
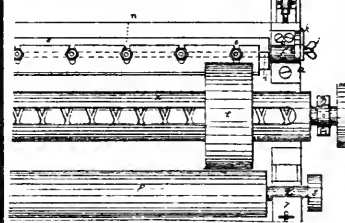
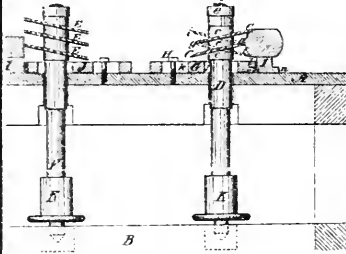
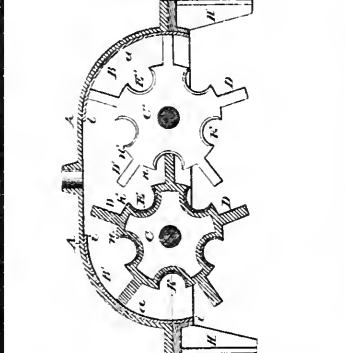
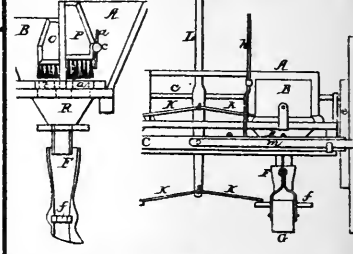
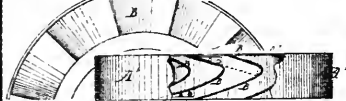
104,573, HENRY GERNER. APPARATUS FOR UTILIZING THE EXHAUST STEAM OF STEAM-ENGINES.



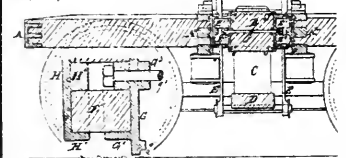
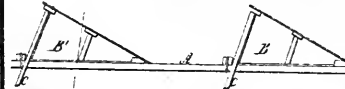
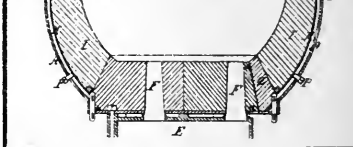
104,574, THOMAS P. GIBBONS. FRUIT-JARS.



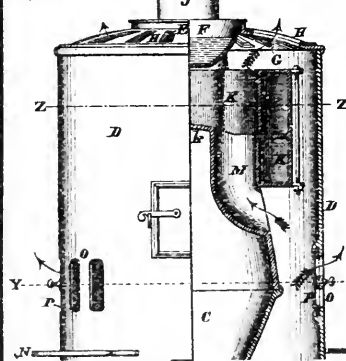
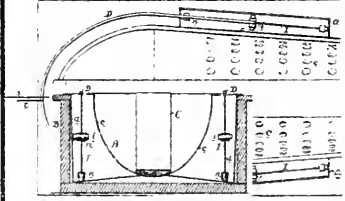
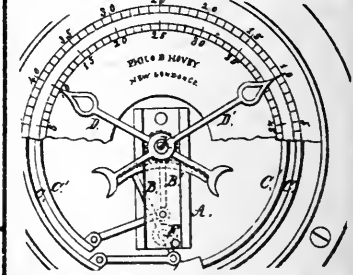
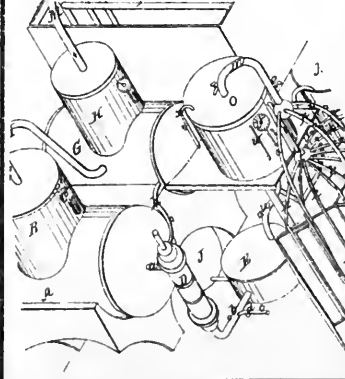
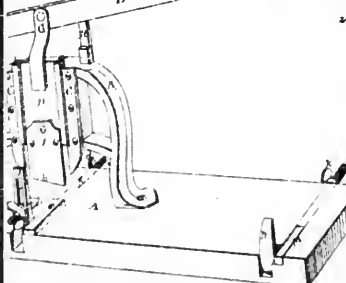
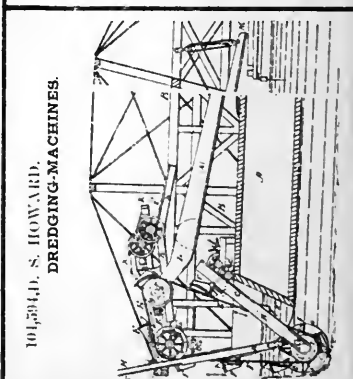
104,575, WILLIAM GOLDEN. BEER-FUNNELS.

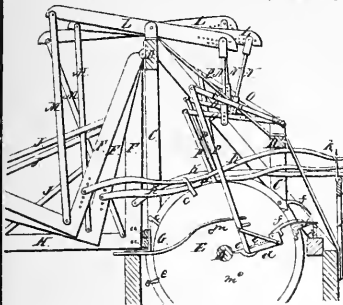
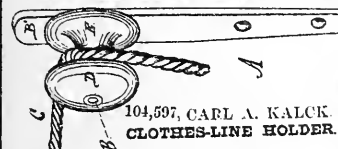
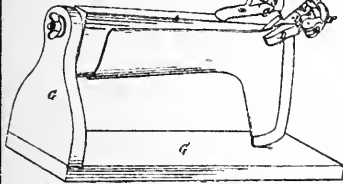
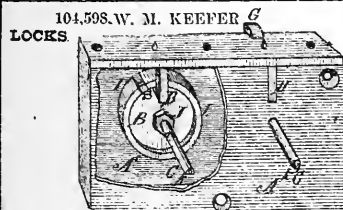
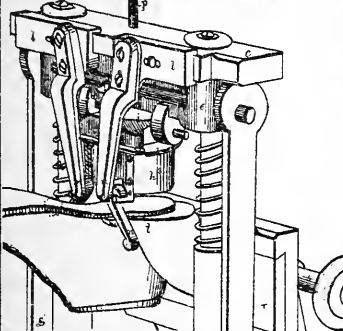
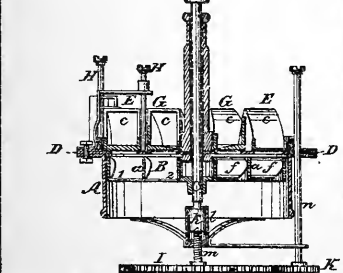
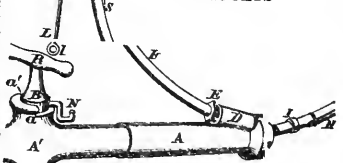
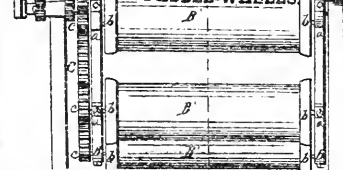
104,576, ADAM GOOD, JR.  
SUCKER-ROD JOINTS104,583, CHRISTIAN HAAS.  
BUGGY-SEAT.104,589, GEORGE H. HAZELTON.  
BOTTOMS FOR WASH-BOILERS  
AND SIMILAR VESSELS.104,590, JANS PETER HENRIKSEN.  
SEWING-MACHINE.104,577, EBENEZER A. GOODES  
COMBINED RULE, LEVEL,  
CLINOMETER, &c.104,584, CHARLES HARDY.  
GRINDING LEDGER AND FLY-BLADES.  
PLANNER-KNIVES, &c.104,578, HENRY A. GORE. MACHINE FOR  
ROUNDING AND DRESSING  
IRREGULAR AND REG-ULAR FORMS.104,585, DEXTER D. HARDY.  
ED. E. WOOD. BLOWERS.104,591, ANDREW L. HOLCOMB.  
CORN-PLANTER AND FERTILIZER.104,579, WM. GREENWELL.  
WATER-WHEELS.

104,580, GEO. H. GRIGGS. CAR-TRUCKS.

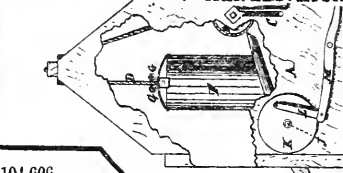
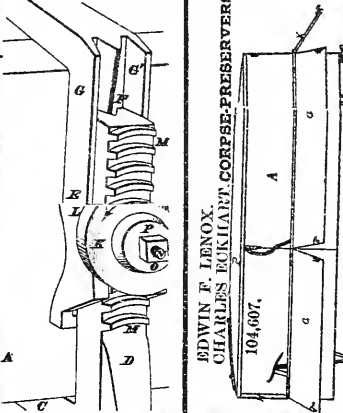
104,586, AARON WORD HARLAN.  
DEVICE FOR FORMING  
CHANNELS IN RIVERS.104,592, A. L. HOLLEY.  
LINING BESSEMER  
CONVERTERS.

104,581, JOHN GROSSIUS. HEATING-STOVE.

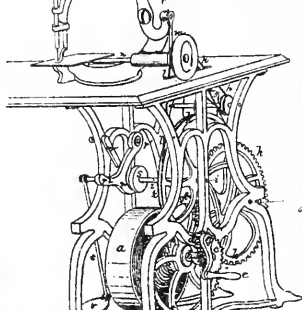
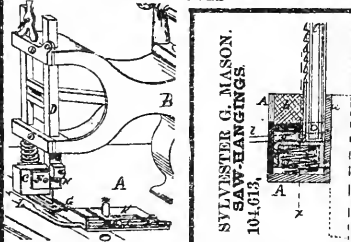
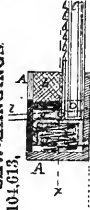
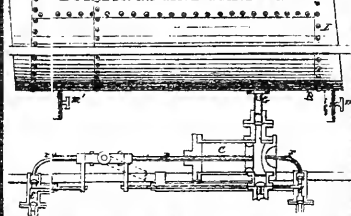
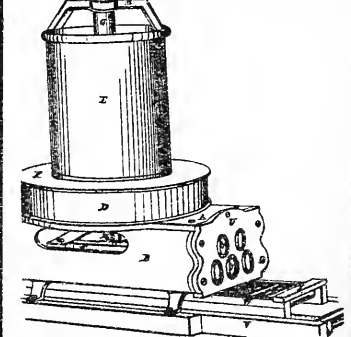
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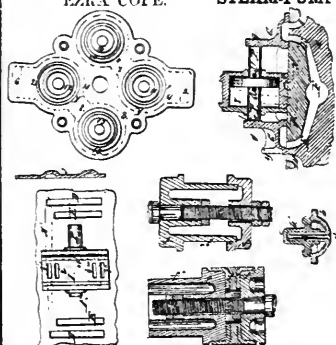
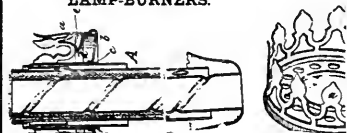
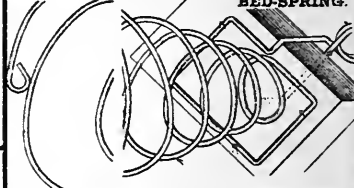
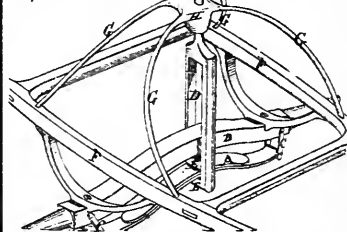
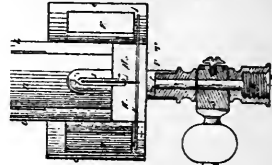
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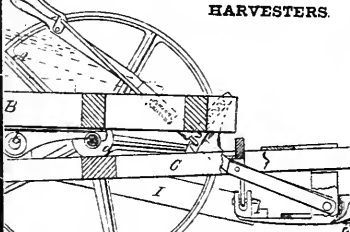
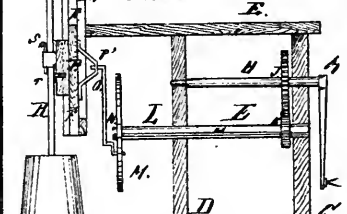
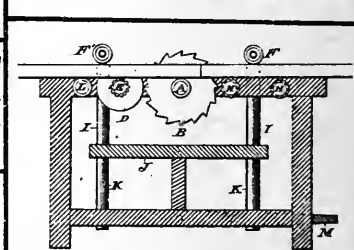
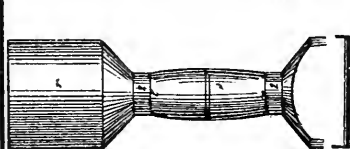
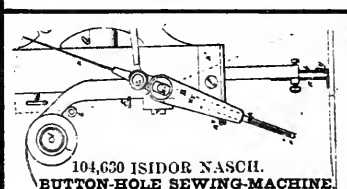
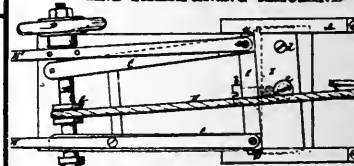
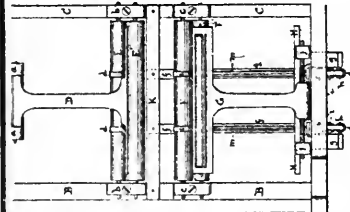
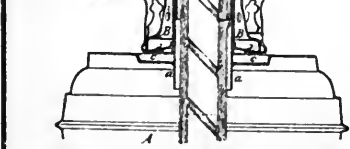
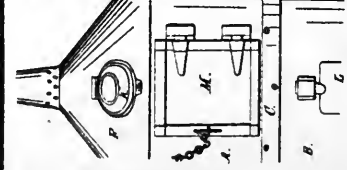
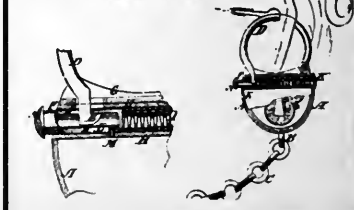
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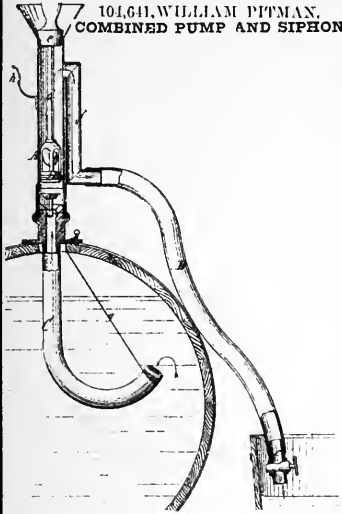
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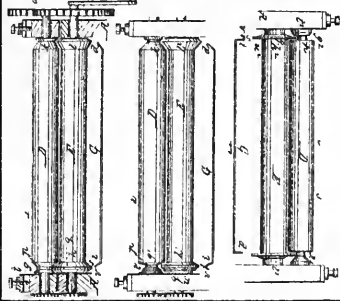
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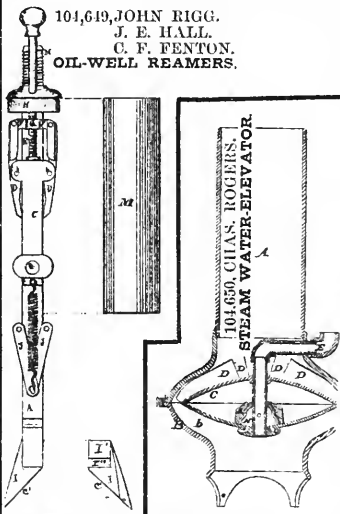
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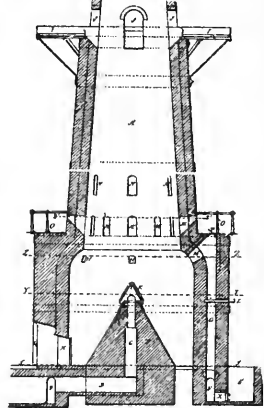


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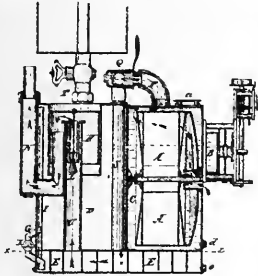


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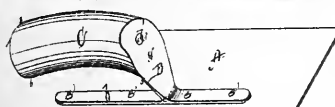
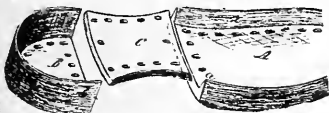
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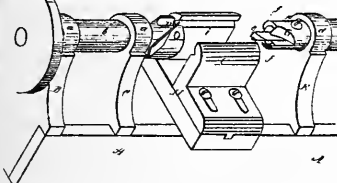


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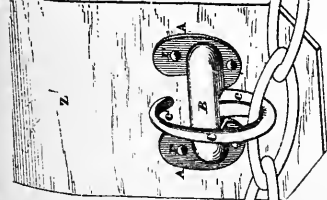


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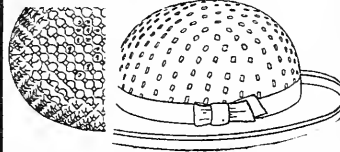
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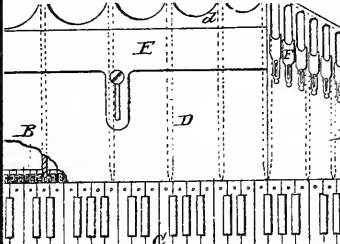
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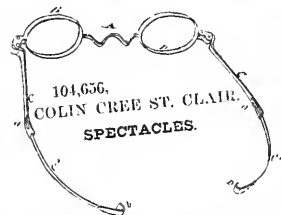


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104,656,  
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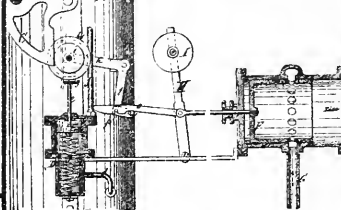
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104,658, CAMILLE ST. GERMAIN.  
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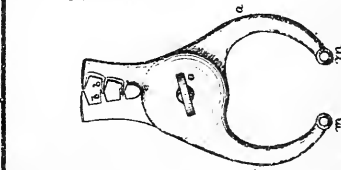
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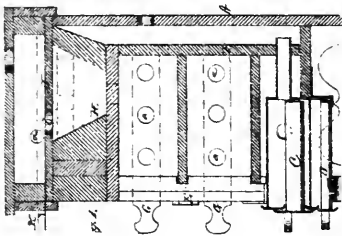
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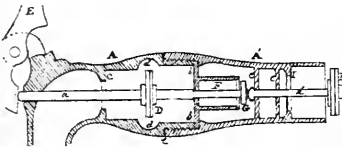
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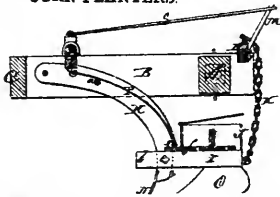
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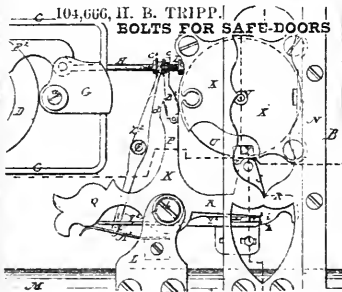
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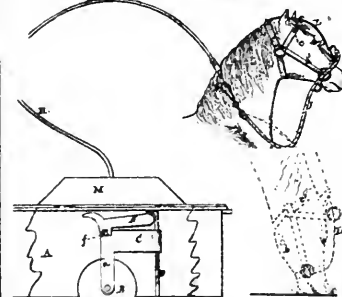
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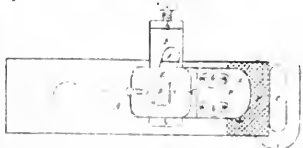
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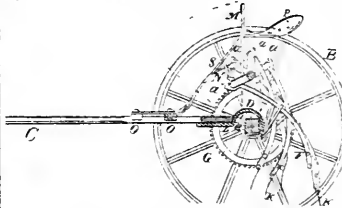
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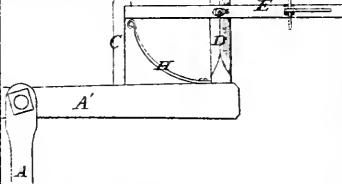
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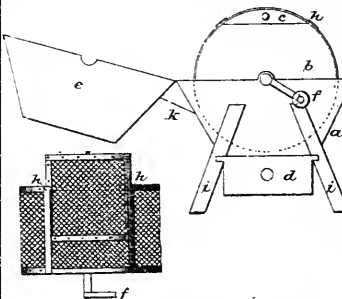
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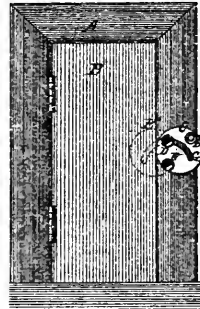
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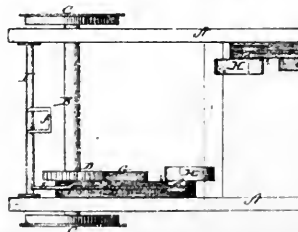
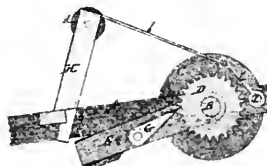
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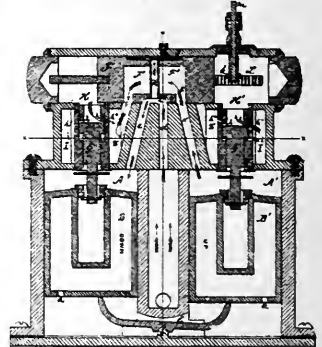
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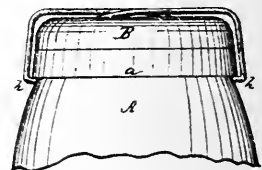
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104,675. GEORGE B. WIGGIN  
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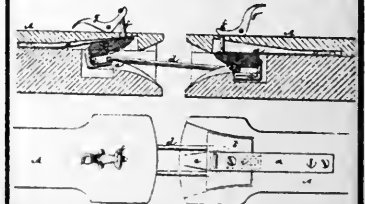


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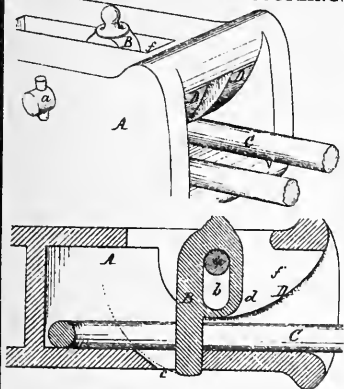
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104,678. R. F. WOLCOTT.  
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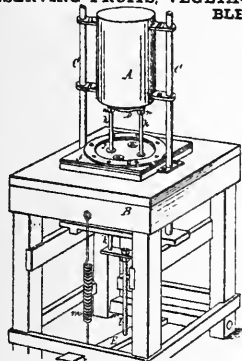
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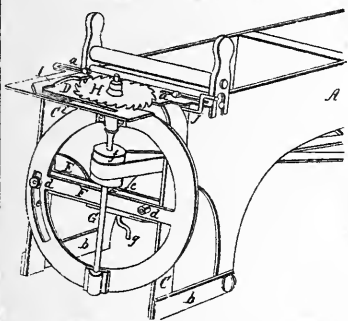
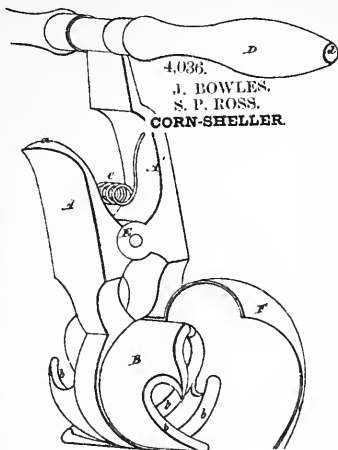
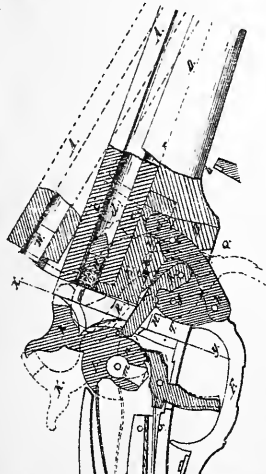
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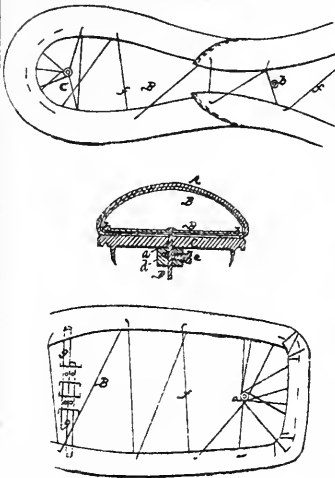
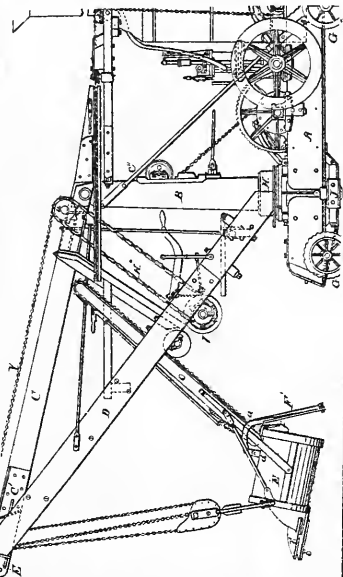
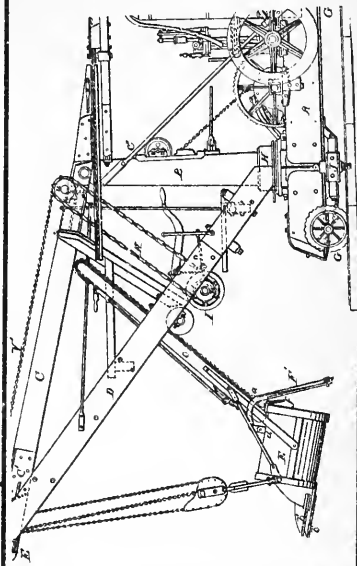


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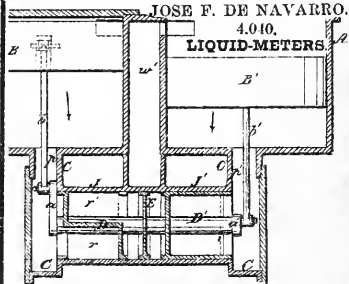
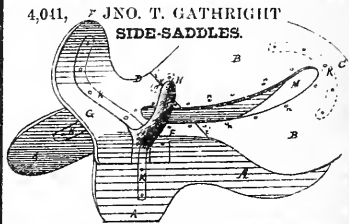
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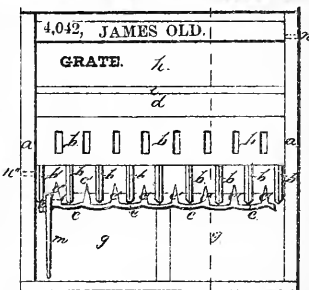
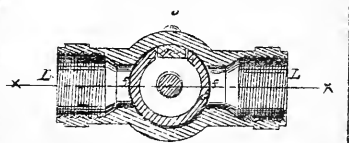
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4,042, JAMES OLD.

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4,043 EDWARD A. ROCK.  
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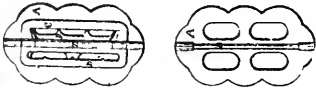
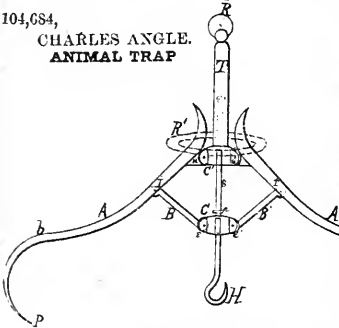
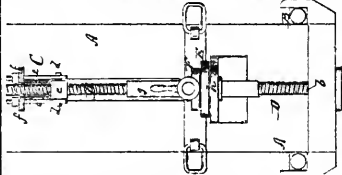
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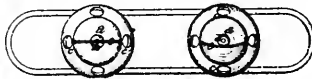
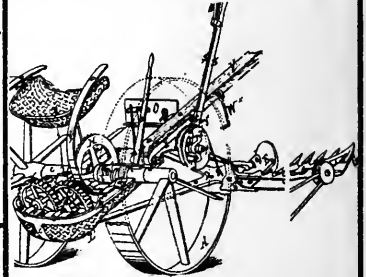
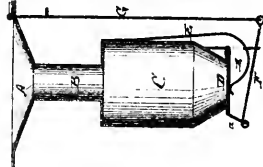
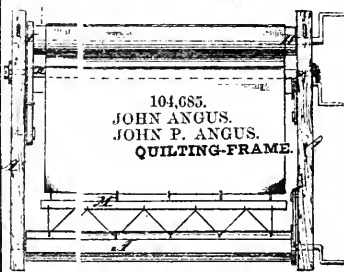
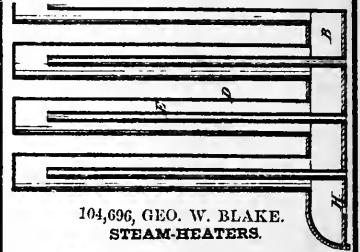
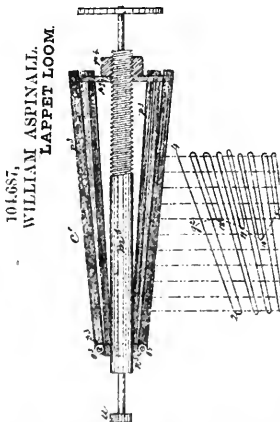
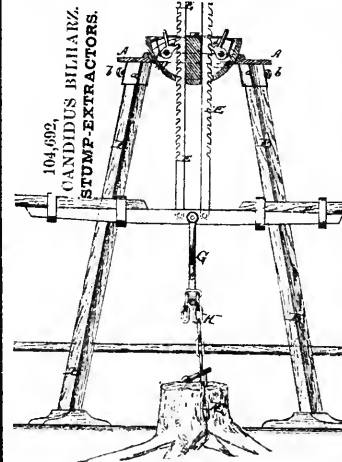
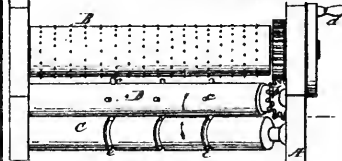
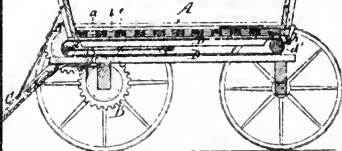
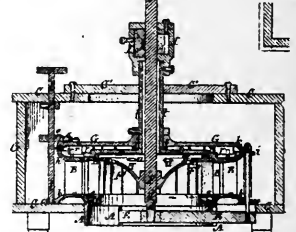
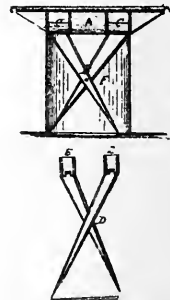
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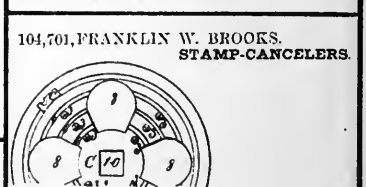
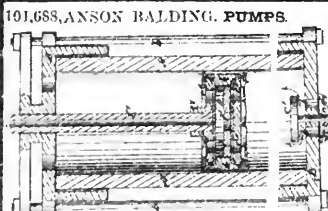
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104,690, W. E. BARTON SLEIGH-BELLS

104,691, WILLIAM JAMES BEACH.  
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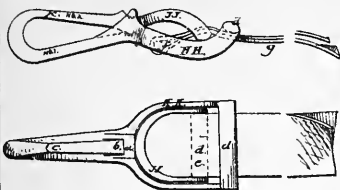
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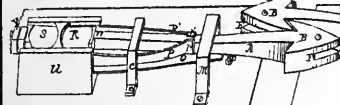
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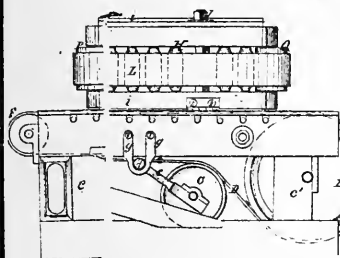
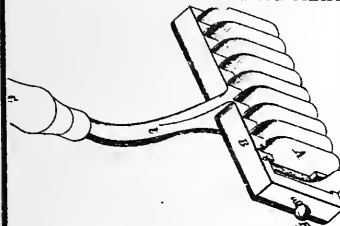
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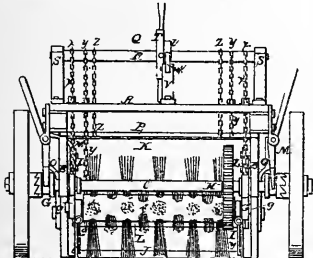


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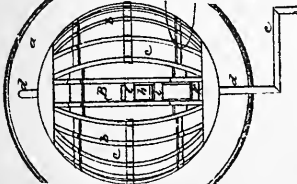
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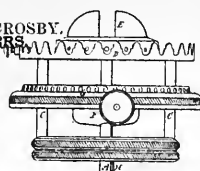


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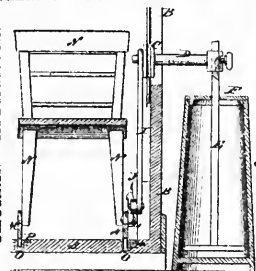
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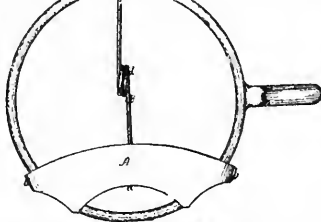
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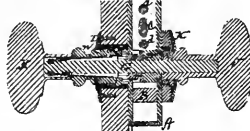


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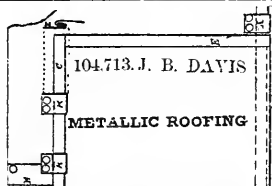


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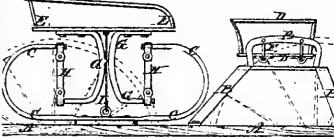
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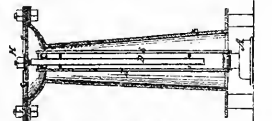
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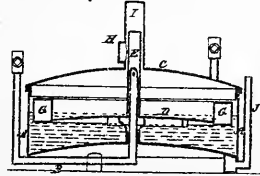


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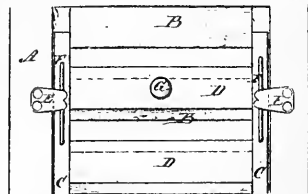
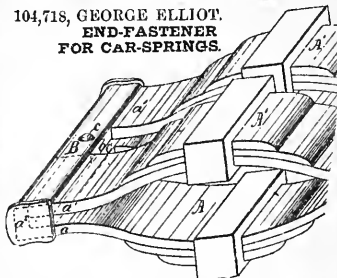


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ARTHUR BARBARIN.  
APPARATUS FOR CARBURETING AIR.

104,717, STEPHAN EICH.

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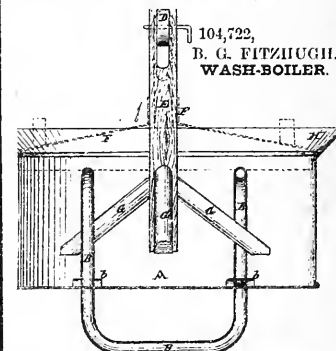
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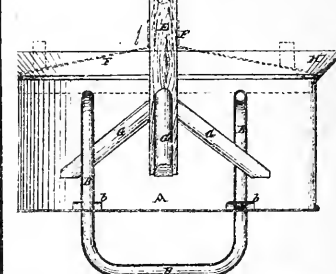


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104,722,

B. G. FITZHUGH.  
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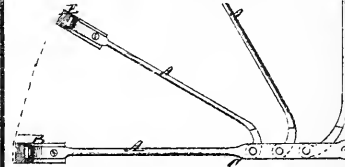
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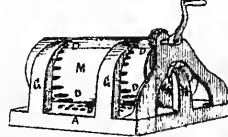
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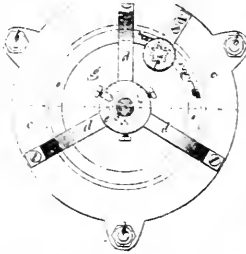
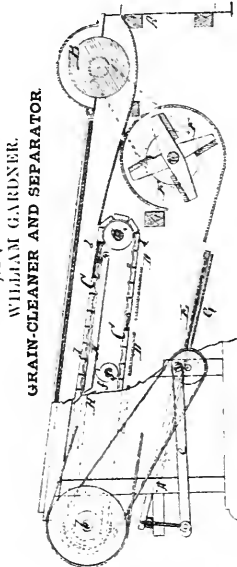
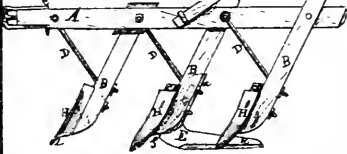
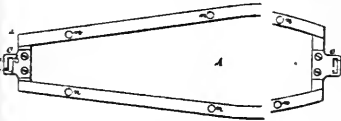
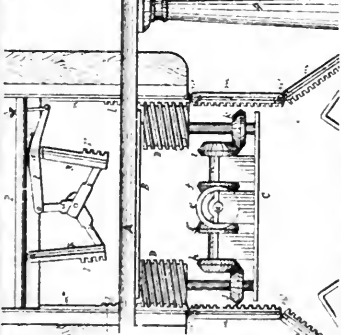
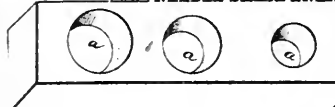
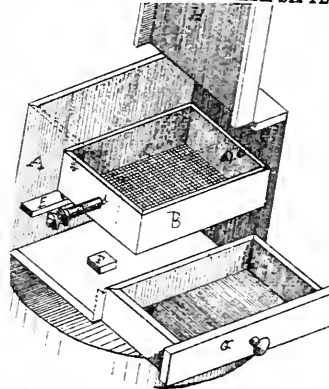
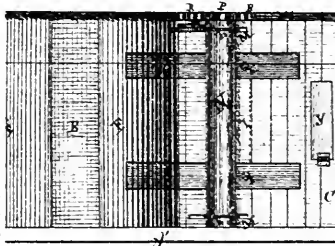
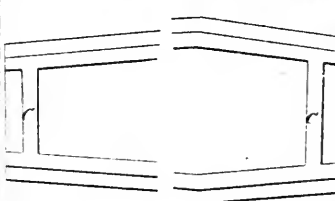


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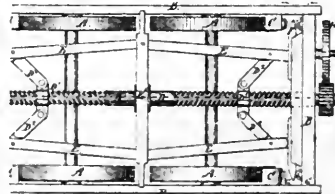
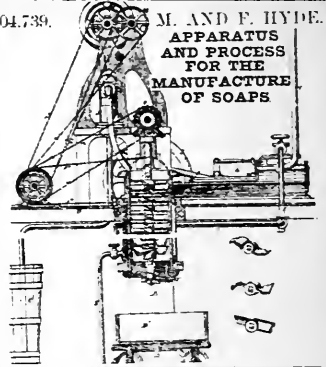
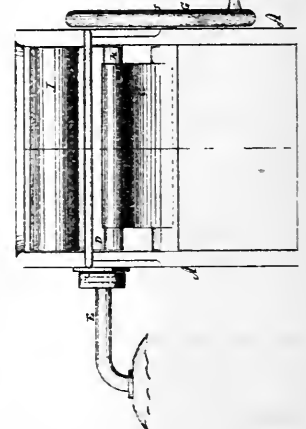
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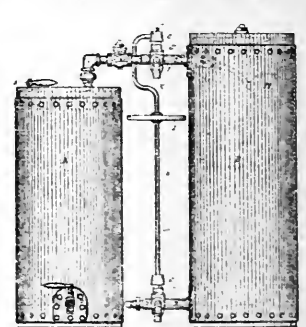
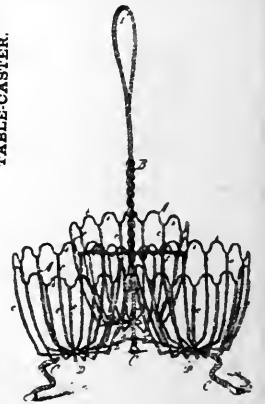


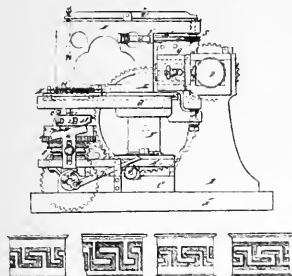
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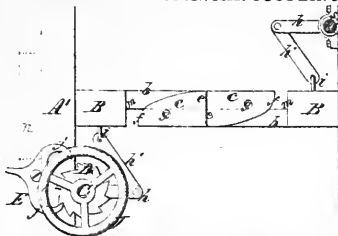
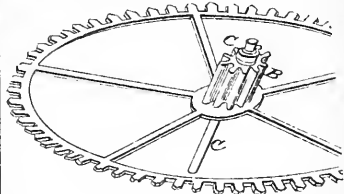
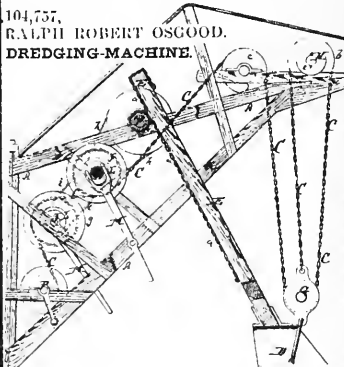
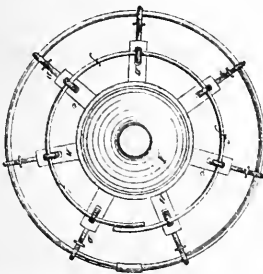
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104,741, JAMES KIDDER. TANNING.

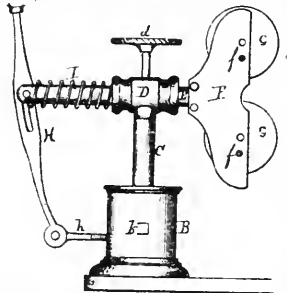
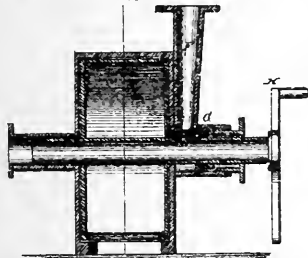
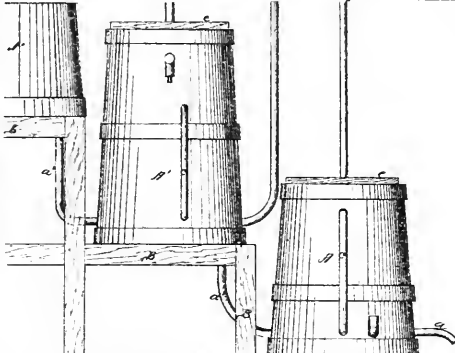
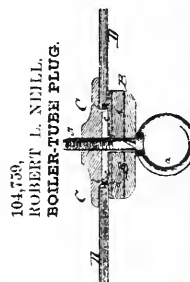
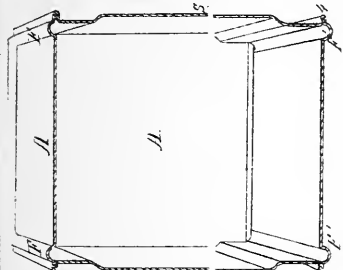
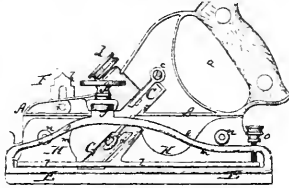
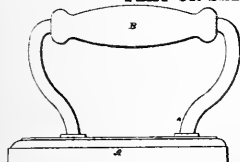
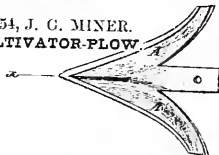
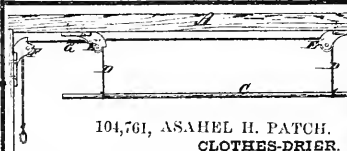
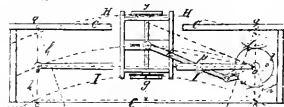
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THOMAS F. FENLIN.  
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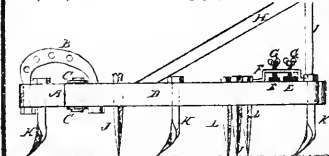
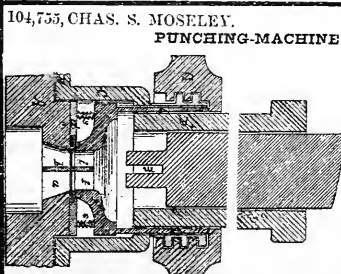
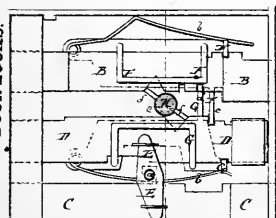
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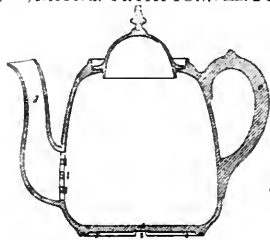
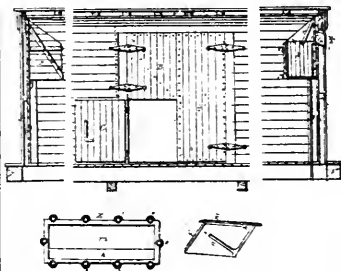
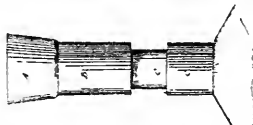
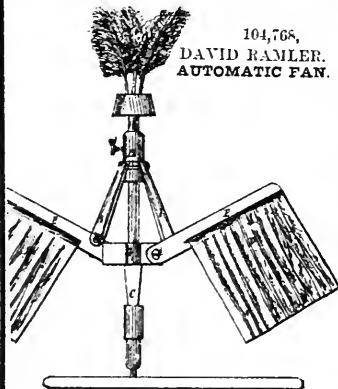
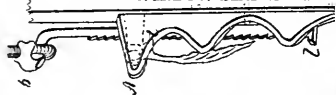
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104,716, GEORGE LECKENBY.  
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STILLS FOR SPIRITS.104,758, EDWARD MYERS.  
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GEO. H. PERKINS.  
SHEET-METAL CANS.104,753, CHARLES G. MILLER.  
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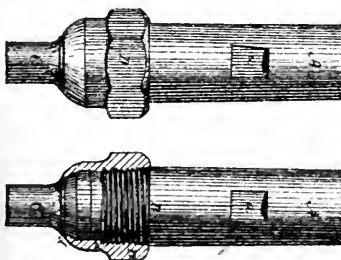
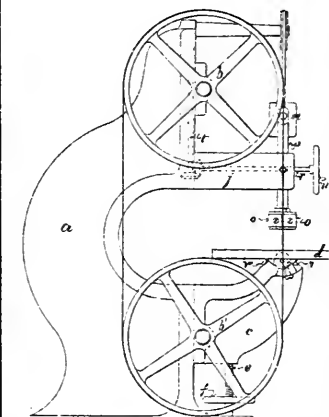
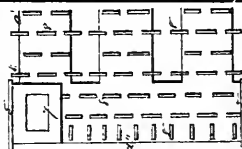
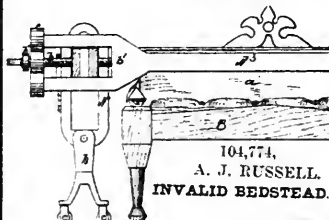
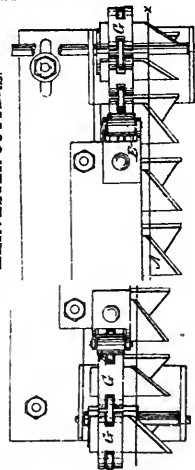
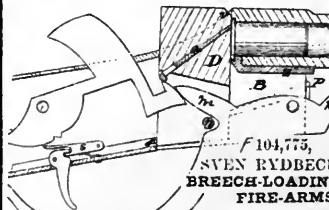
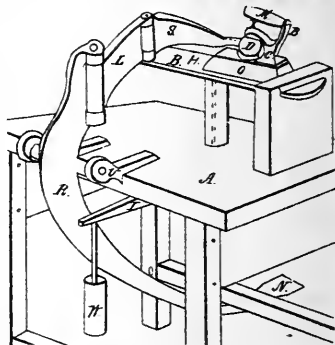
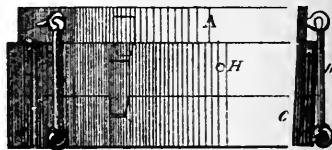
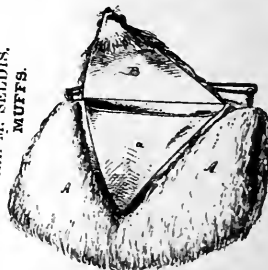
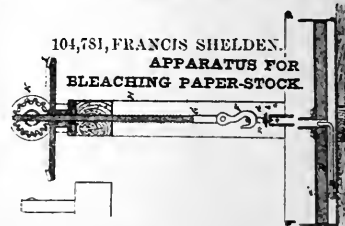
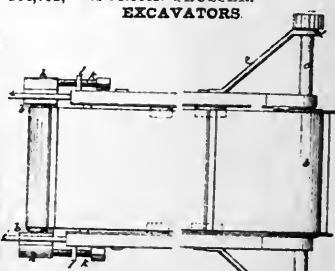
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DOOR-LOCKS.

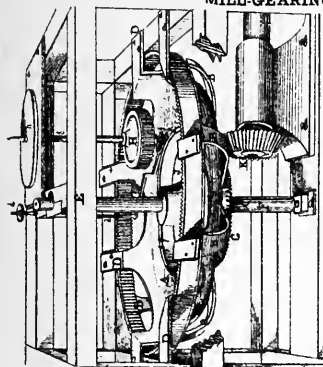
104,761, NATHL. PLYMPTON, TEA-POT.

104,765, JOS. D. POTTS.  
B. P. LAMASON.  
REFRIGERATOR RAILROAD CAR.104,766, HENRY C. PRATT.  
BOTTLE-STOPPERS104,767, JOSHUA PUSEY.  
WINDOW-SHADE RACK104,768,  
DAVID RAMLER.  
AUTOMATIC FAN.

104,769, ISAAC P. RICHARDS, PUNCHES.

104,770, JOHN RICHARDS  
WM. H. THORNE.  
BAND SAWING-MACHINE.104,771, HENRY R. ROBBINS.  
STOVE AND FURNITURE-LEG.104,772,  
JOHN J. RORPER.  
STEAM HEATER.104,773,  
FRANCIS E. ROGERS.  
HARVESTER-CUTTERS.104,774,  
A. J. RUSSELL.  
INVALID BEDSTEAD.104,775,  
SVEN RYDBECK.  
BREECH-LOADING  
FIRE-ARMS104,776, A. C. SAWYER.  
IRONING-MACHINES.104,777, JOHN K. SAX.  
MOLDS FOR CAR-WHEELS.104,778, JOSEPH J. SCHROVER.  
WOOD PAVEMENT.104,779, HENRY SEARS.  
EDMUND B. SEARS.  
KNIFE FOR CUTTING SHEAF-BANDS.104,780,  
RAPHAEL M. SELDIS.  
MUFFS.104,781, FRANCIS SHELLEN.  
APPARATUS FOR  
BLEACHING PAPER-STOCK104,782, BENJAMIN SLUSSER.  
EXCAVATORS

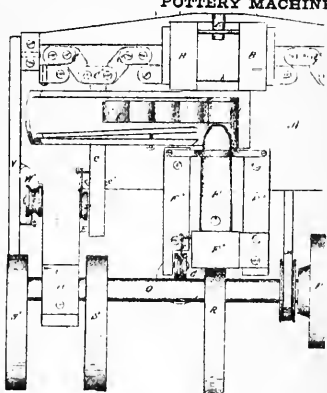
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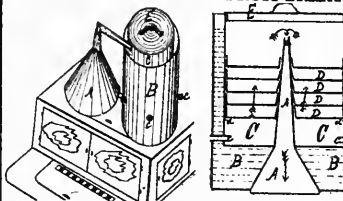
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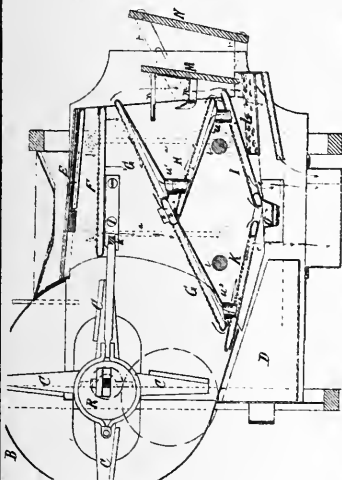
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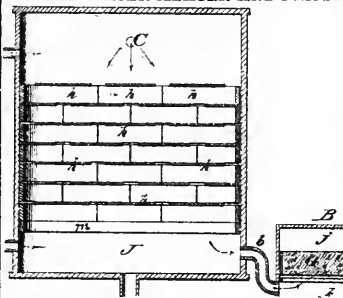
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FRUIT-DRIER.



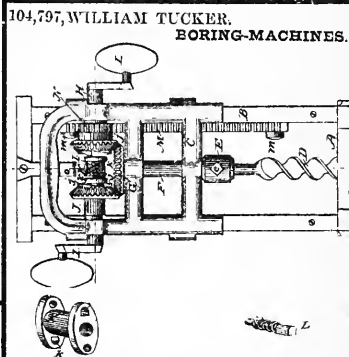
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WM. H. NICODEMUS.  
FANNING AND SEPARATING-MACHINE



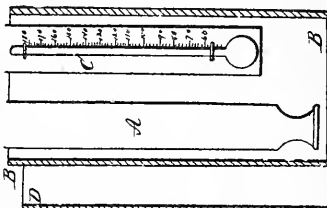
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FEED-WATER HEATER AND FILTER



104,796, JOSEPH TREAT.  
MANUFACTURE OF SOAP.



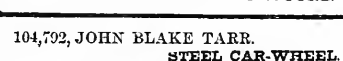
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INSTRUMENT FOR TESTING OILS.



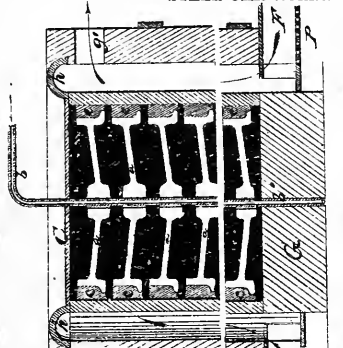
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MANUFACTURE OF STEEL-HEADED  
HORSESHOE NAILS.



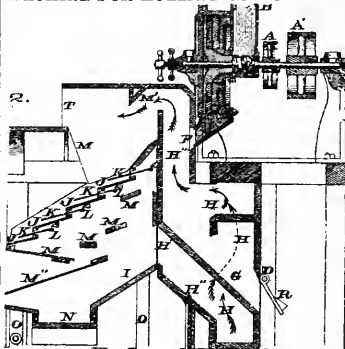
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MEDICAL COMPOUND.



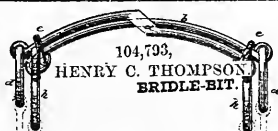
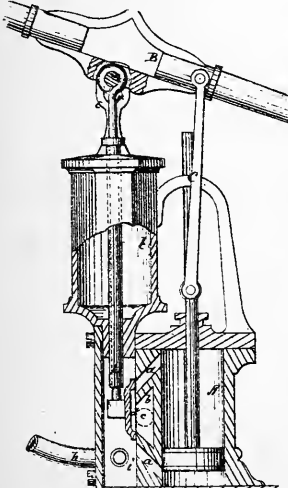
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STEEL CAR-WHEEL.



104,799, A. J. VANDEGRIFT  
MACHINE FOR HULLING COTTON-SEED.



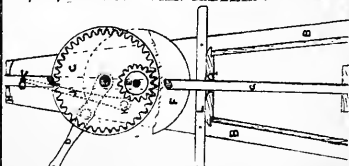
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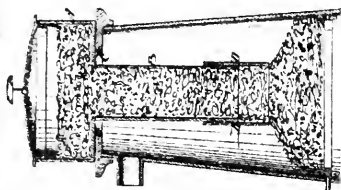
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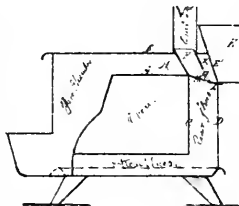
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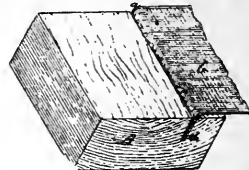
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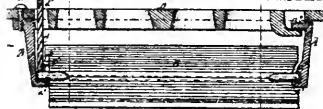
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JOSEPH B. WILKINSON.  
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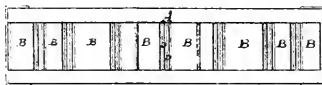
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METHOD FOR SECURING THE SEATS  
AND BACKS OF CHAIRS, SOFAS, &c.



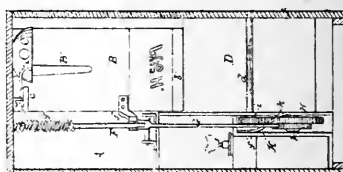
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HOT-AIR REGISTER.



104,808, JOHN H. WILLIAMS.  
REEDS FOR LOOMS.

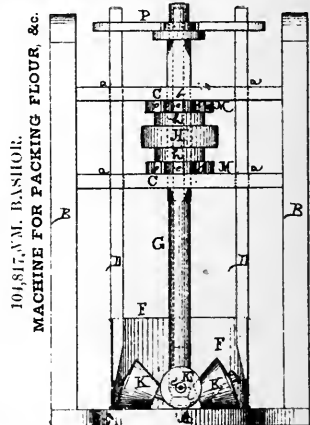
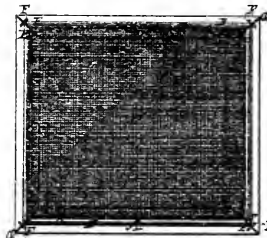


104,816 HENRY BARANGER.  
FARE-BOXES FOR PASSENGER-CARS.



104,803, SUSPENDED

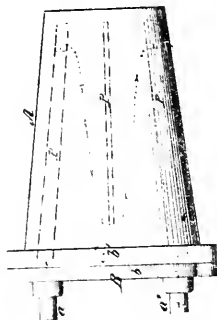
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MOSQUITO-SCREEN FRAME.



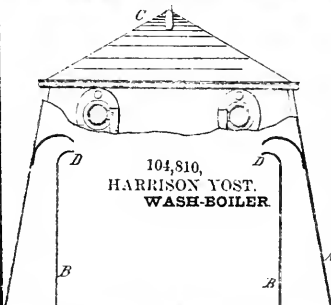
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MACHINE FOR PACKING FLOUR, &c.

104,804, PETER L. WEIMER.

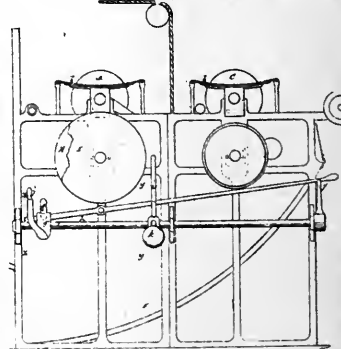
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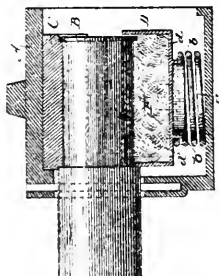
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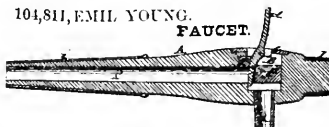
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WASHING FABRICS.



104,805, ISAAC P. WENDELL.  
LUBRICATING JOURNAL-BEARINGS

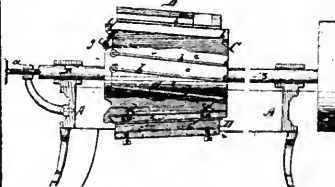


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104,812, DEXTER D. W. ABBOTT.  
EMERY-SOAP FOR POLISHING  
AND CLEANSING

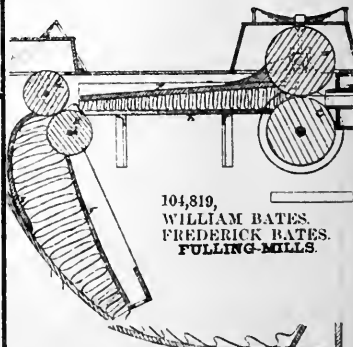
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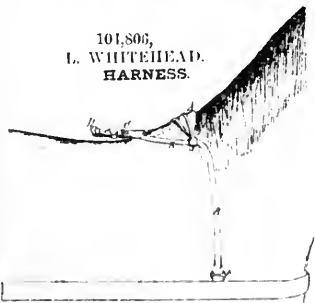
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VAPORS FROM FERMENTING-  
VATS IN BREWERIES, &c



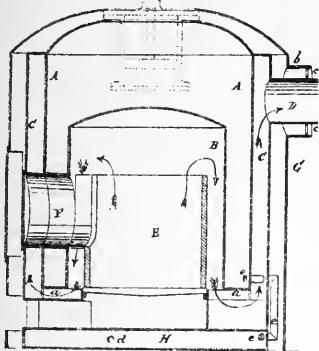
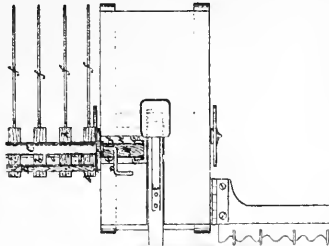
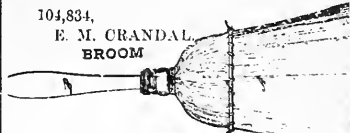
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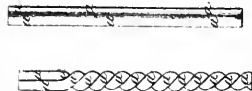
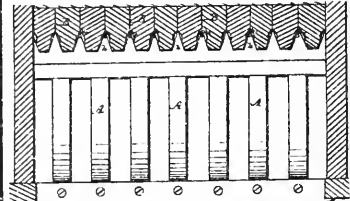
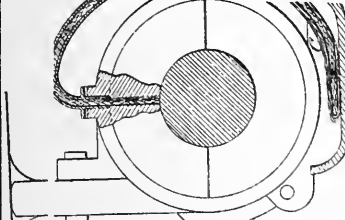
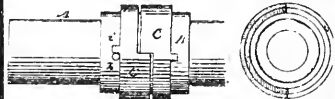
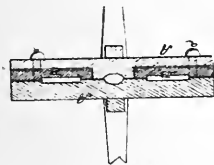
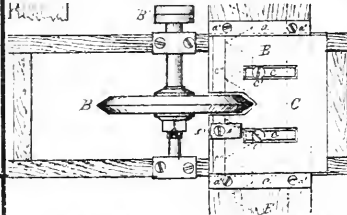
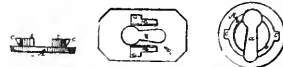
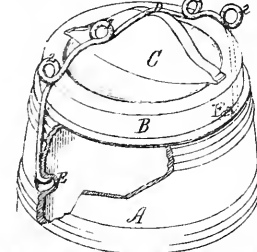
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HARNES.



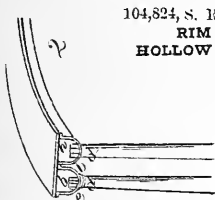
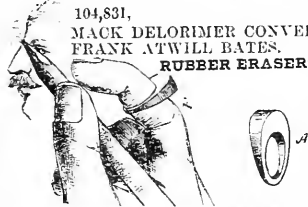
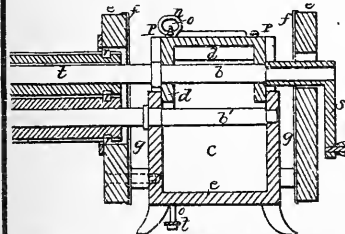
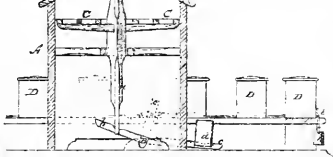
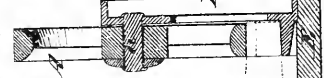
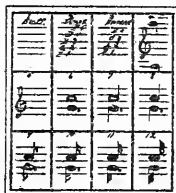
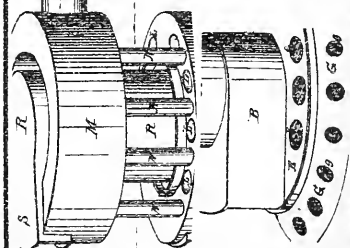


104,820, WILLIAM BAXTER.  
STEAM-GENERATORS104,827, M. C. CHAMBERLIN.  
RAKE ATTACHMENT FOR REAPERS.104,834,  
E. M. CRANDAL.  
BROOM

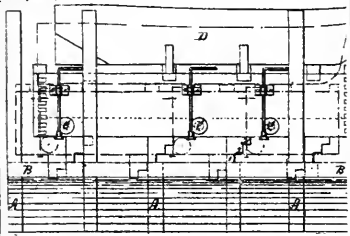
104,835, PETER CRANS, JR DENTAL PINS.

104,828, WILLIAM CHAMBERS. METHOD  
OF LASTING BOOTS AND SHOES104,836, J. A. CRAWFORD.  
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NORMAN S. BOARDMAN.  
SPOON-MOLDS.104,830, WM. CLEMSON.  
MACHINE FOR GRINDING SAW-TEETH.104,838, SIMEON W. DROWNE  
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FRUIT-JARS.

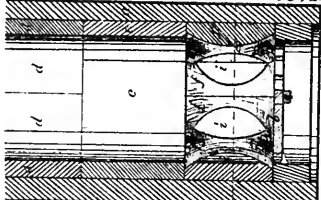
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104,824, S. R. BRYANT.  
RIM OR FELLY.  
HOLLOW METALLIC104,831,  
MACK DELORIMER CONVERSE.  
FRANK ATWILL BATES.  
RUBBER ERASERS.104,840, THEODOR G. EISWALD  
BREAST-PINS.104,825, MARY P. CARPENTER  
FLUTING-MACHINES.104,832, JEREMIAH CORY  
BEE-PROTECTOR.104,841, JAMES EWING  
CORK-PRESSER104,826, D H CHAMBERLAIN.  
RUBBER ROLLER FOR WRINGERS. &c.104,833, CHARLES J. COSTELLO.  
JOHN COSTELLO.  
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HOT-AIR FURNACE.

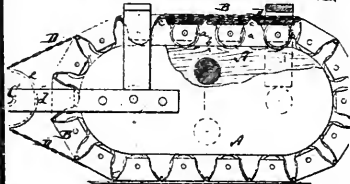
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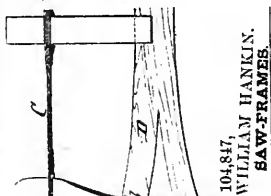
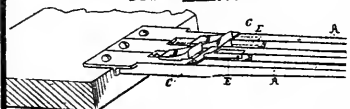
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104,845, THOMAS F. HALL. TRACTION-ENGINE.

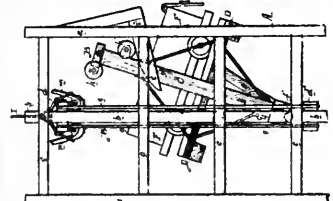


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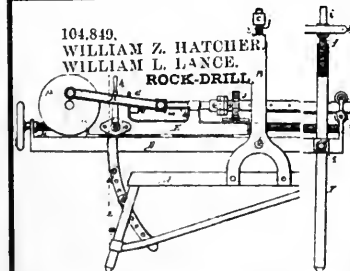


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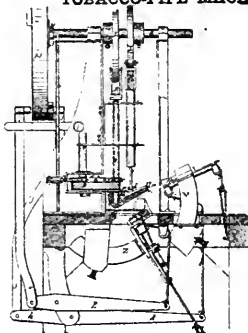
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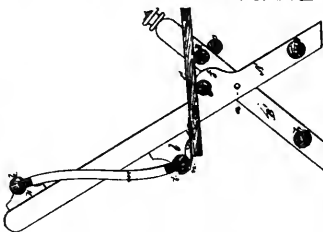
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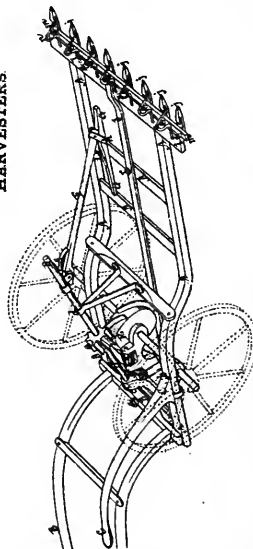
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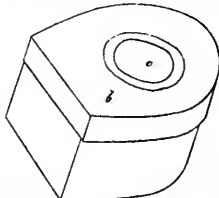
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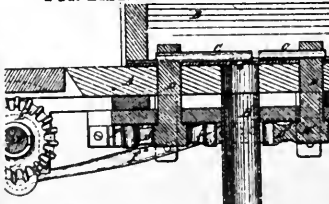
104,852, WM. B. JOINS, WILLIAM J. READ. HARVESTERS.



104,853, SALOMON KAUFMANN. PAPER-COLLAR BOX.



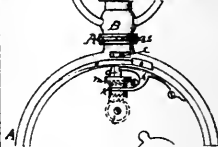
104,854, JOHN F. KELLER. MACHINE FOR DISTRIBUTING FERTILIZERS.



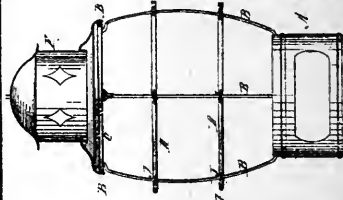
104,855, HENRY K. KENYON. DEEP-WELL PUMPS.



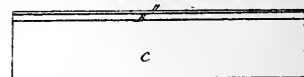
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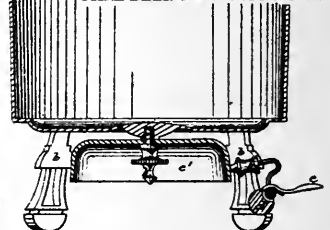
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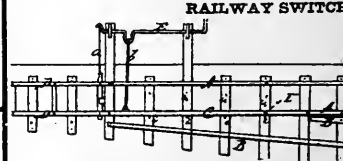
104,858, WM. H. KNIGHT. SECURING VENEERS TO WOOD.



104,859, NATHAN LAWRENCE. CALL-BELL AND SLOP-BOWL.



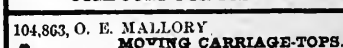
104,860, G. W. LEE, JNO. A. LAFONTAINE, A. L. HARRIS. RAILWAY SWITCH.



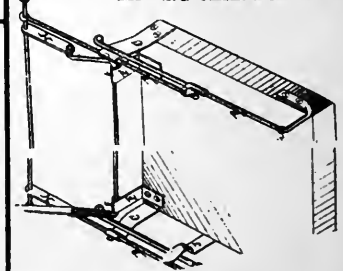
104,861, PHILIPP FRIEDRICH LENHART. WATER-PROOF SWEAT-BANDS FOR HATS AND CAPS.

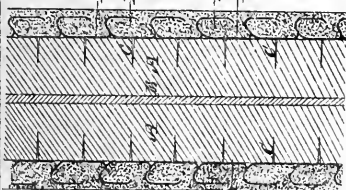
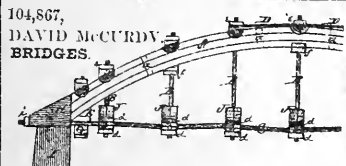
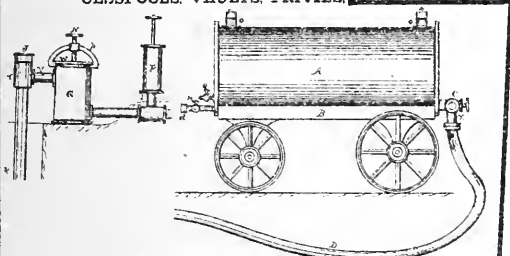
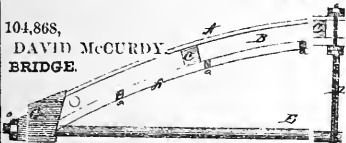
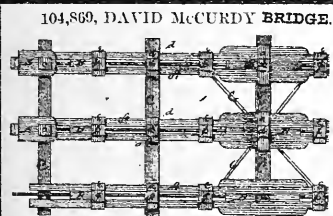


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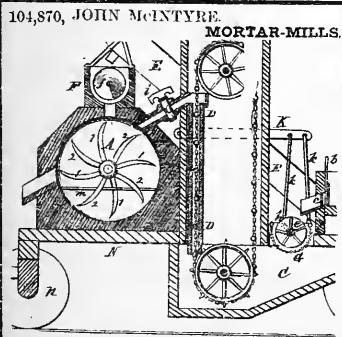
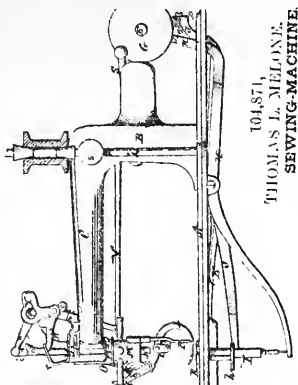
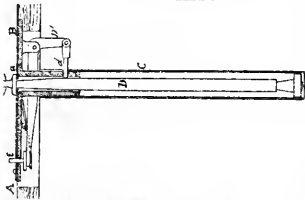
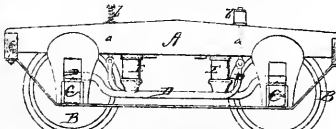
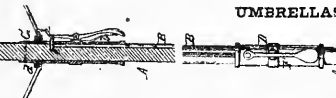


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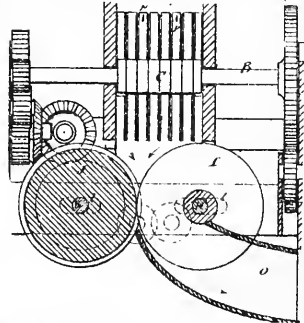
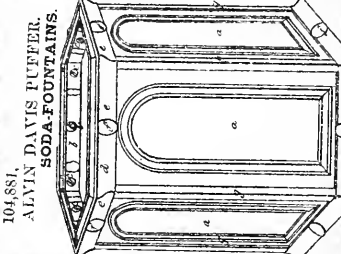
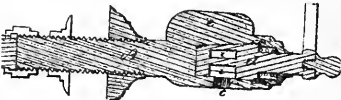
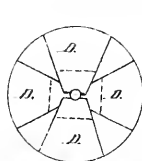
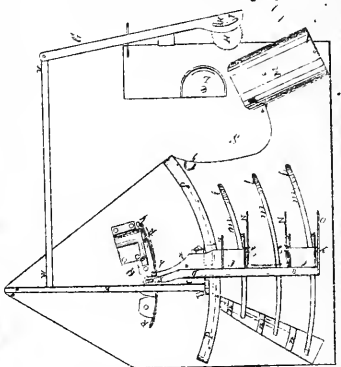
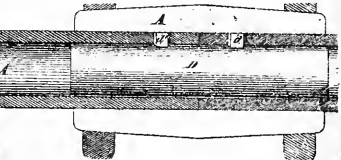


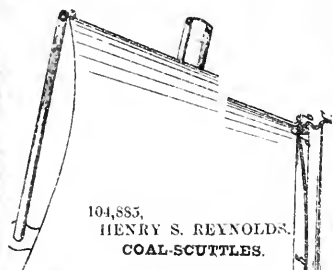
104,864, J. J. MÄRKI.  
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104,869, DAVID McCURDY BRIDGE.

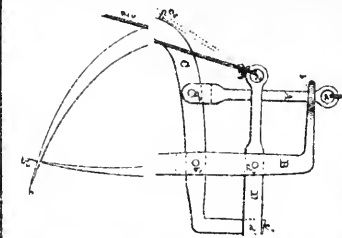
104,870, JOHN McINTYRE.  
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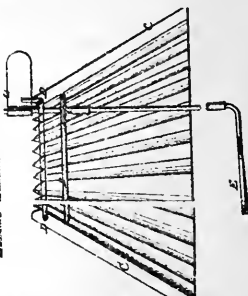
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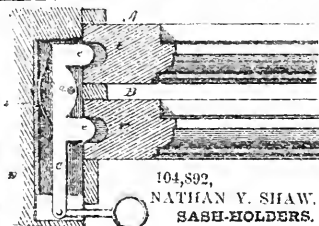
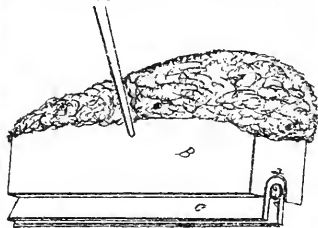
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HENRY S. REYNOLDS.  
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104,888,  
CORNELIUS ST. JOHN.  
LAMP-SHADE HOLDERS.

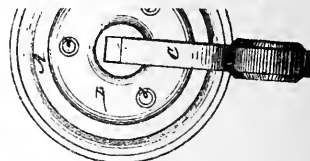


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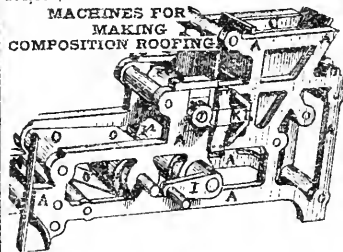


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NATHAN Y. SHAW.  
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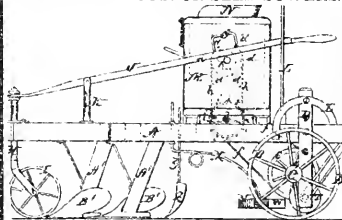
104,899, PHOS. M. TAYLOR.  
LIFTING-HANDLES FOR COFFINS, &c.



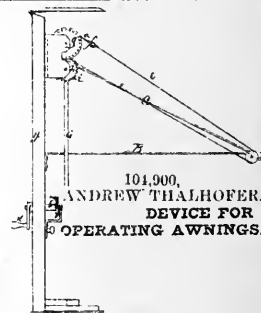
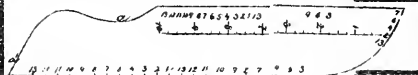
104,887, ISRAEL L. G. RICE.  
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104,893, JOSEPH SHEARER.  
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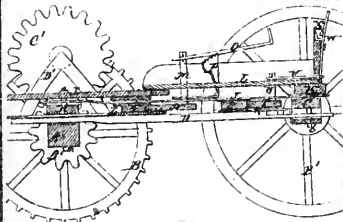


104,894, WILLIAM SHELL, SCALE FOR  
LAYING OUT SHOE-PATTERNS.

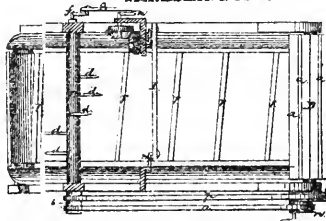


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ANDREW THALHOFFER.  
DEVICE FOR  
OPERATING AWNINGS.

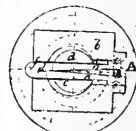
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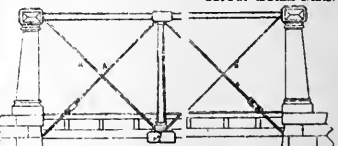
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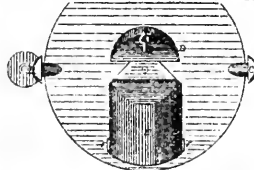
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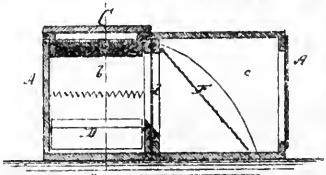
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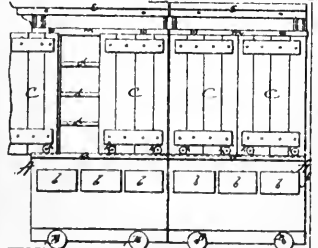
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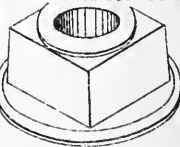
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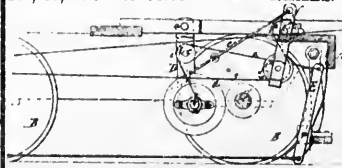


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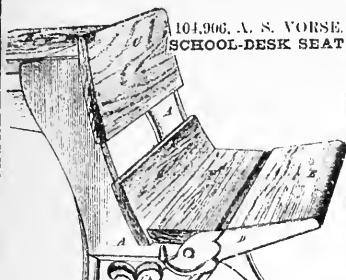
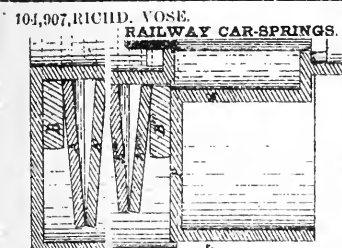
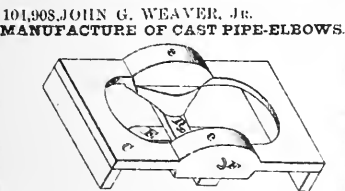
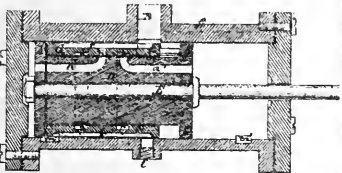
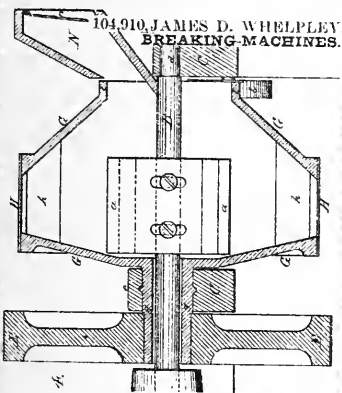
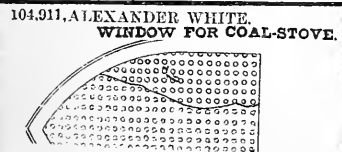
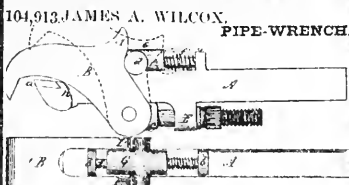
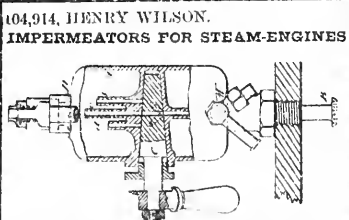
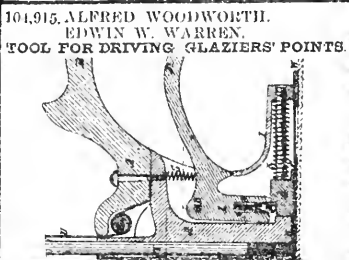
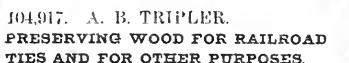
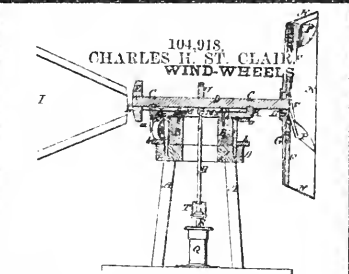
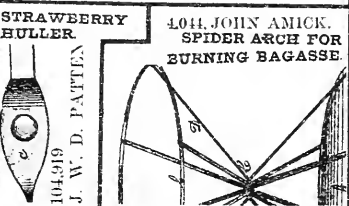
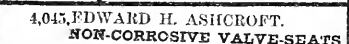
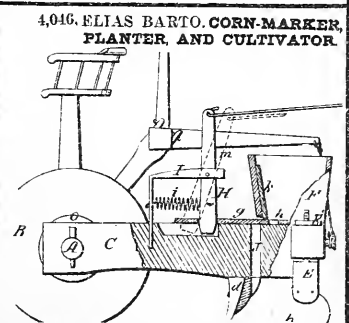
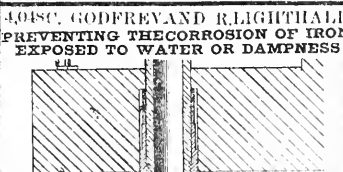
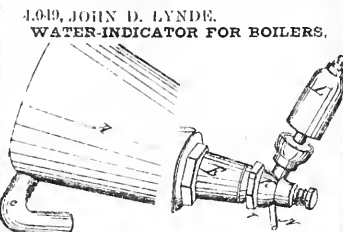
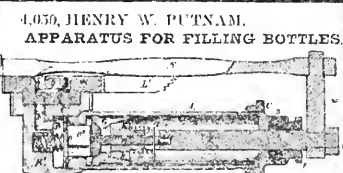
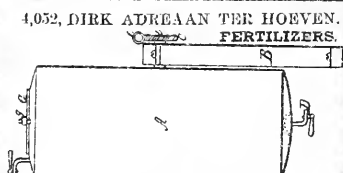
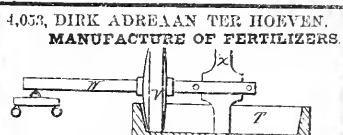
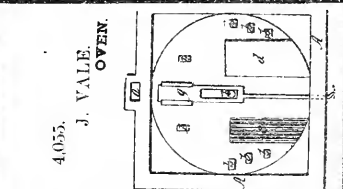
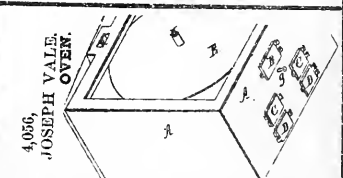
104,891, GEORGE W. SHADE.  
HORSE HAY-FORKS.

104,897, JOSEPH STEGER, CAR-BRAKES.



104,905,  
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J. VALE.  
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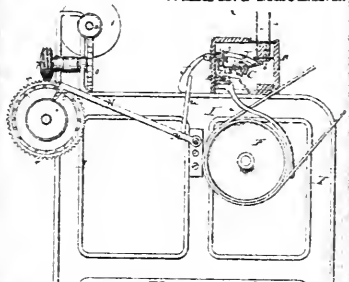
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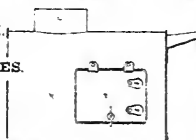
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104,920, LEVI ABBOTT.

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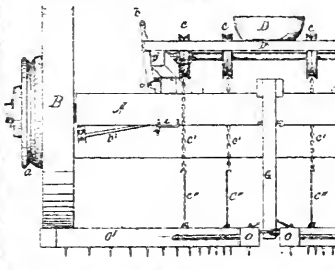
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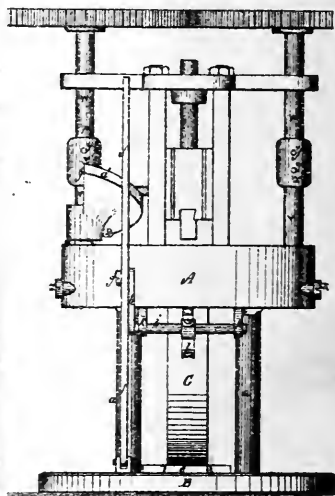


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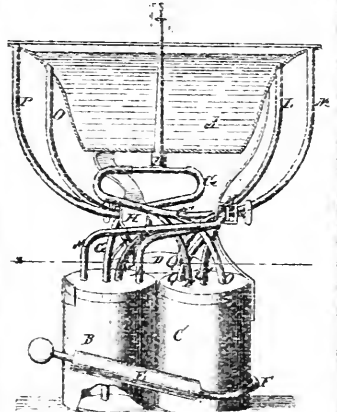


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OF WRENCHES

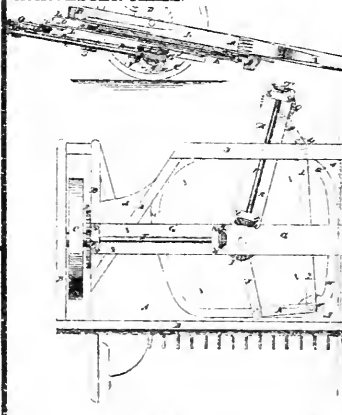
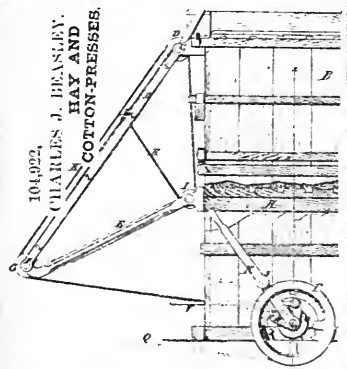
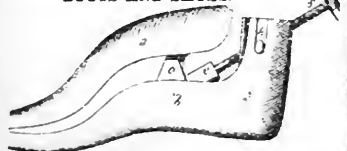
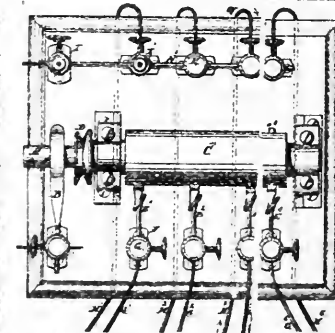
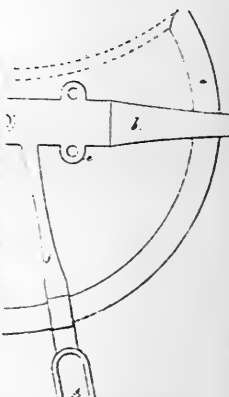
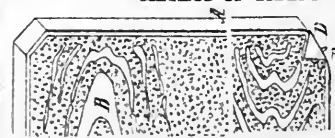
104,921, E. AMENDE.

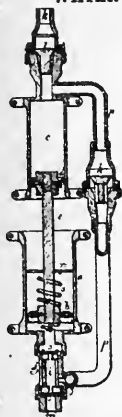
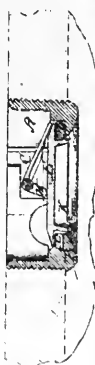
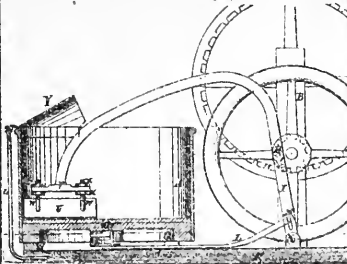
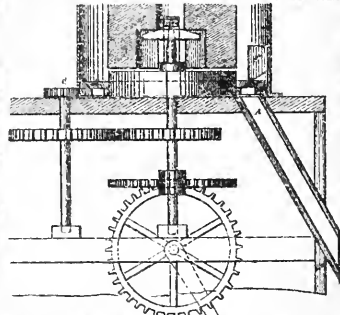
SELF-FEEDING FOUNTAINS.



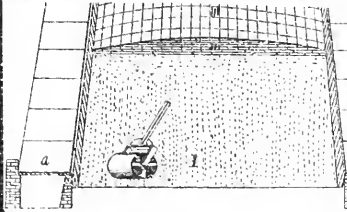
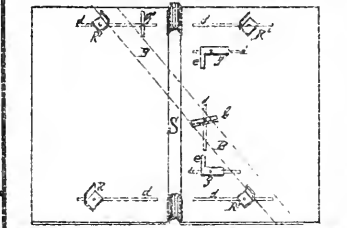
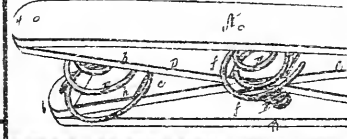
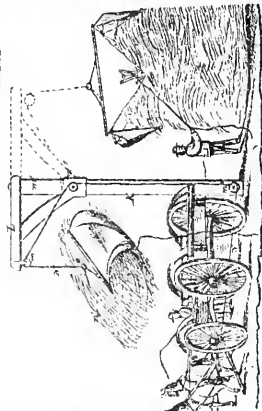
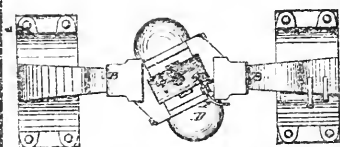
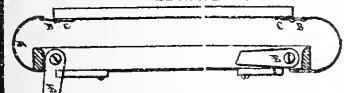
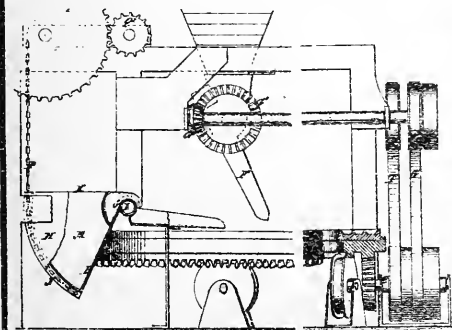
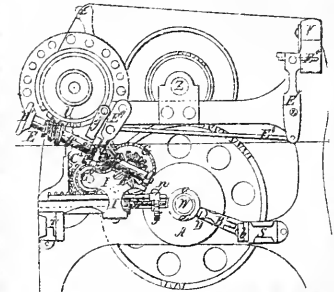
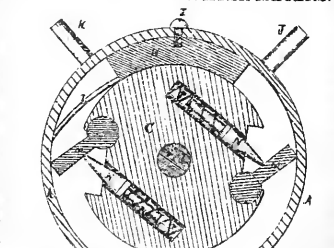
104,927, C. B. BROWN.

HARVESTER RAKE.

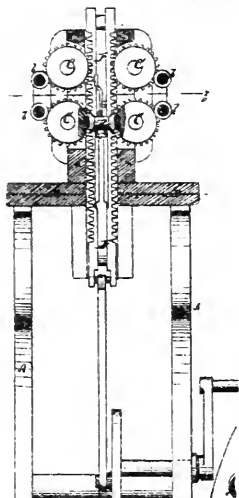
104,922,  
CHARLES J. BEASLEY,  
HAY AND  
COTTON-PRESSES.104,923, MOSES BELDING INSTEP.  
STRETCHER FOR  
BOOTS AND SECES.104,928, WATKINS LEIGH BURTON.  
CIRCUIT-CHANGERS.104,932, WILLIAM A. COLLINS.  
FIFTH-WHEEL FOR CARRIAGES104,924, THOMAS M. BELL. MILK-CAN  
BOTTOMS.104,929, JOHN J. CALLOW.  
METHOD OF GRAINING.104,933, THEODORE F. CONKLIN.  
COVER FOR RAILS,  
PIRKINS, &c.

104,934, H. H. CRAIGIE. AUTOMATIC  
WATER-ELEVATING APPARATUS.104,935,  
DAVID M. GUMINGS.  
BURGS.104,940, JAMES H. DE POE.  
MEAT-CHOPPER104,946, SAMUEL T. ECK.  
GRINDING-MILLS.

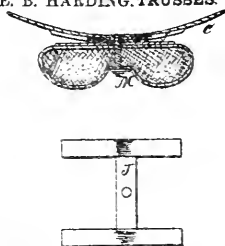
104,941, ANDREW DILGER. PAVEMENTS

104,942, ANDREW DILGER.  
STREET-PAVEMENT.104,943, JOSEPH DILL.  
TABLE FOR DOVSTAILING-MACHINE.104,944, ALONZO S. DRISKO.  
ORAMANDER U. DRISKO.  
SLAT FOR BEDSTEADS.104,947,  
HENRY H. ENSMINGER.  
HAY-UNLOADER.104,948, OSCAR C. FERRIS.  
FREDK. B. MILES.  
STEAM-HAMMERS.104,937, THOS. CUMMINGS.  
COMPOSITION FOR PHOTOGRAPHIC  
PURPOSES.104,938, LEWIS CUTLER.  
SPRING BED-BOTTOM104,939, HENRY DAVIES.  
MANUFACTURE OF IRON BY THE  
ELLERSEHAUSEN PROCESS.104,945,  
WILLIAM W. EASTMAN.  
FRANÇOIS B. MARDEN.  
JARS FOR WELL-DRILLS.104,919, LEWIS N. FLETCHER.  
IRA M. PAGE.  
LET-OFF MECHANISM FOR LOOMS.104,950, WILLARD M. FULLER.  
WATER-METERS.

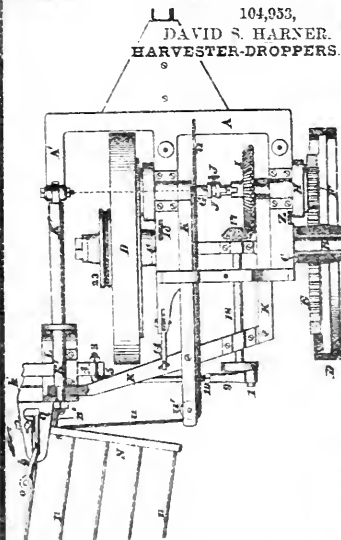
104,951, G. HALL, JR.  
MACHINE FOR PRINTING LABELS ON SPOOLS.



104,952, E. B. HARDING, TRUSSES.



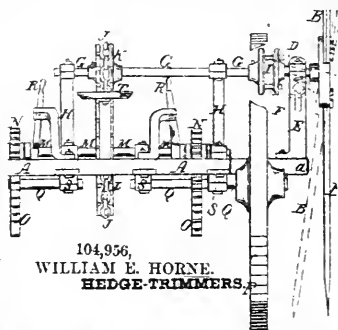
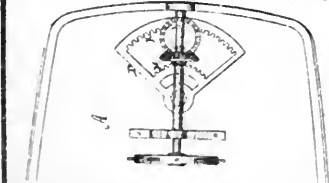
104,953,  
DAVID S. HARNER.  
HARVESTER-DROPPERS.



104,954, ALFORD L. HARRIS.  
FRUIT-CORING KNIFE.

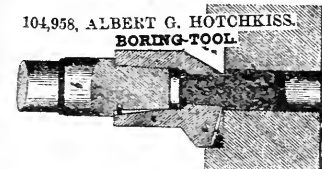


104,955, CHARLES M. HAYDEN.  
STEERING APPARATUS.

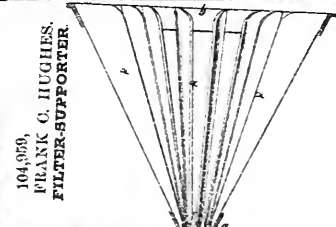


104,956,  
WILLIAM E. HORNE.  
HEDGE-TRIMMERS.

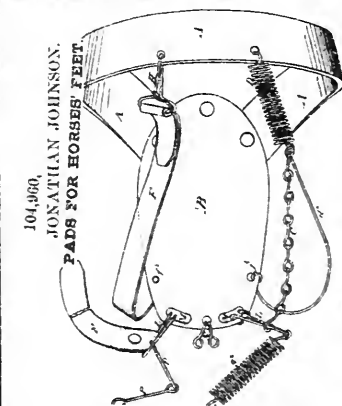
104,957, JAMES HORNER.  
METHOD OF ROLLING METAL BARS.



104,958, ALBERT G. HOTCHKISS.  
BORING-TOOL.

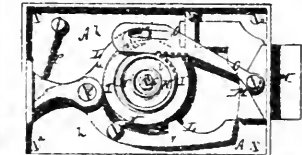


104,959,  
FRANK C. HUGHES.  
FILTER-SUPPORTER.

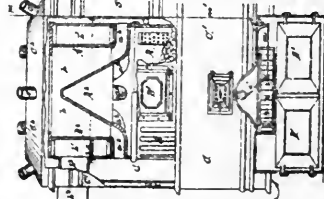


104,960,  
JONATHAN JOHNSON.  
PADS FOR HORSES' FEET.

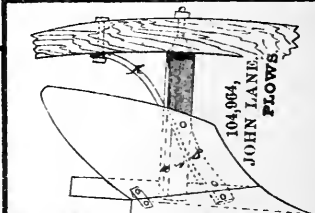
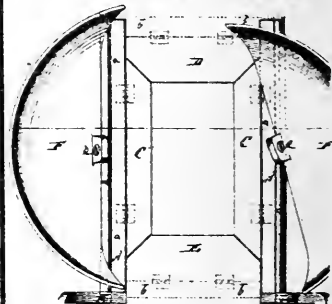
104,961, WILLIAM KOCK.  
PERMUTATION LOCKS.



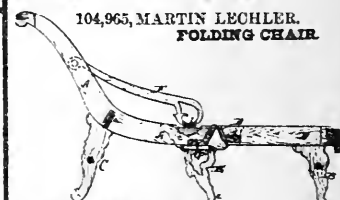
104,962, BENJAMINE S. KOHL.  
HOT-AIR FURNACE.



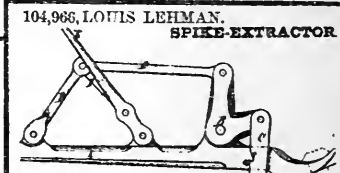
104,963, W. KURTZ.  
PHOTOGRAPHIC REFLECTOR.



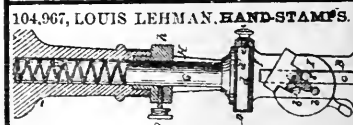
104,964,  
JOHN LANE.  
PLOW.



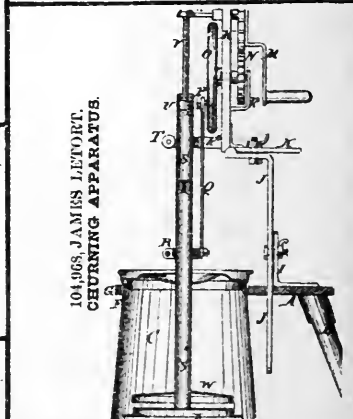
104,965, MARTIN LECHLER.  
FOLDING CHAIR.



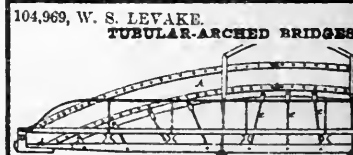
104,966, LOUIS LEHMAN.  
SPIKE-EXTRACTOR.



104,967, LOUIS LEHMAN, HAND-STAMPS.

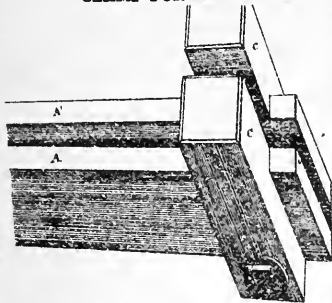


104,968, JAMES LITFORT.  
CHURNING APPARATUS.

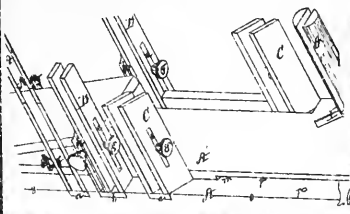


104,969, W. S. LEVAK.  
TUBULAR-ARCHED BRIDGES.

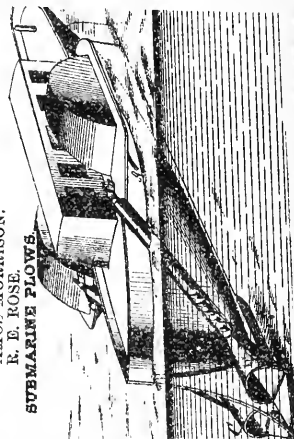
104,970, JUSTUS P. LUTHER.  
 SOLON K. BUCK.  
 CLAMP FOR MAKING WHIPS.



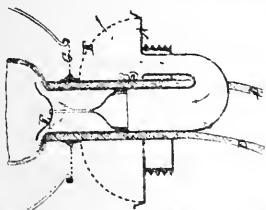
104,975, DANIEL McALLASTER.  
 MITER-BOXES AND MITER-SAWS.



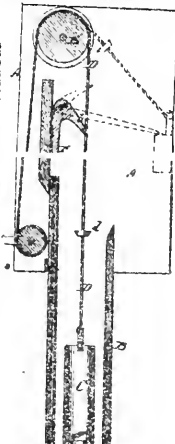
104,981,  
 AMON MORRISON.  
 R. E. ROSE.  
 SUBMARINE FLOW.



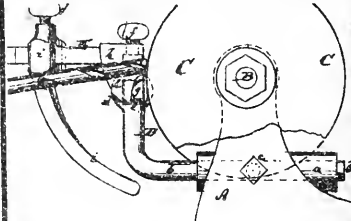
104,971, GEO. R. LYON. LAMP-BURNERS.



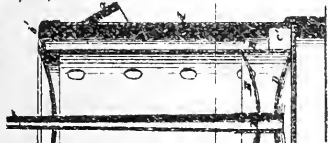
104,976,  
 MOSES S. McSWAIN.  
 WATER-ELEVATOR.



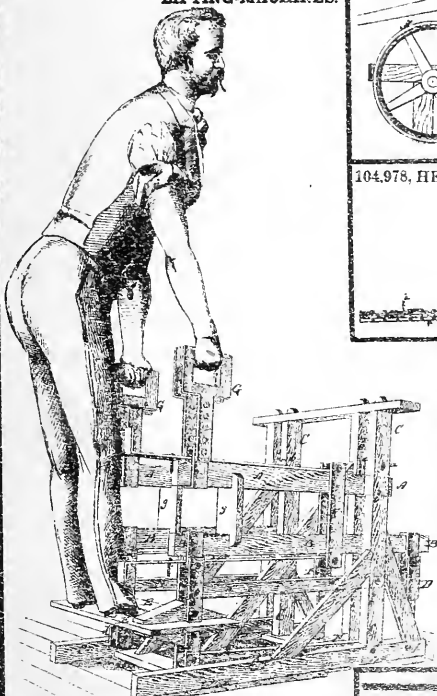
104,982, STEPHEN A. MORSE.  
 GRINDING-REST FOR TWIST DRILLS.



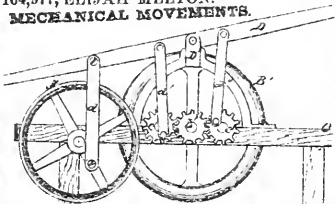
104,972, CYRUS A. MALTBY. CHURNS.



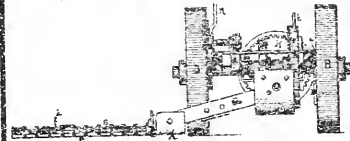
104,973, CHARLES HOLBROOK MANN.  
 LIFTING-MACHINES.



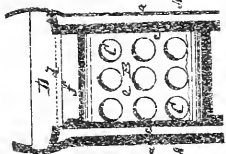
104,977, ELIJAH MELTON.  
 MECHANICAL MOVEMENTS.



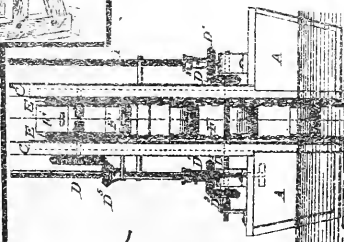
104,978, HENRY MEWES. HARVESTERS.



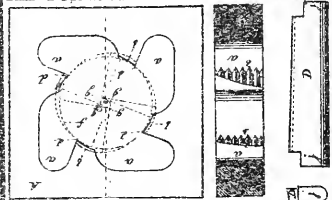
104,979, JOSEPH A. MILLER.  
 STEAM-GENERATOR.



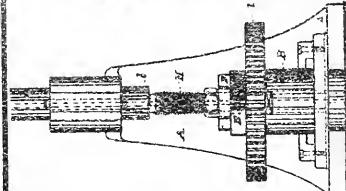
104,980, GOVE MITCHELL.  
 DREDGING-MACHINES.



104,984, WILLIAM NEWSHAM.  
 TAP FOR AND MODE OF CUTTING DIES.



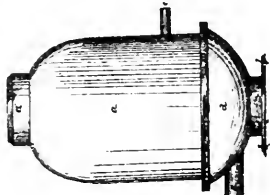
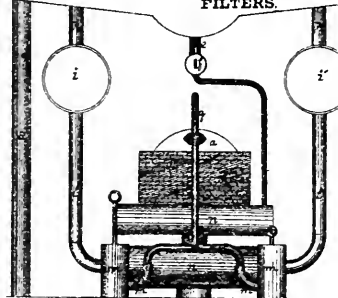
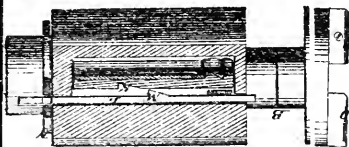
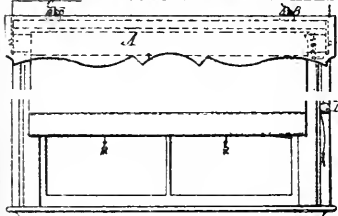
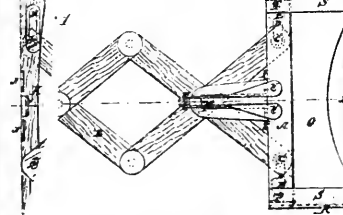
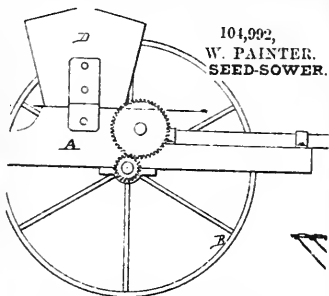
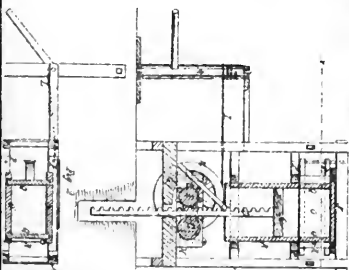
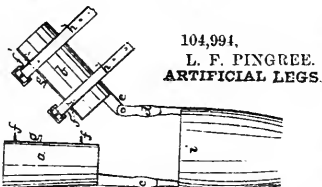
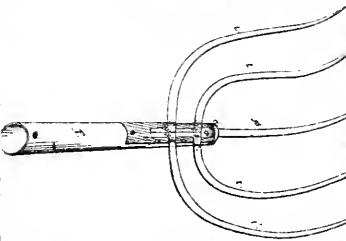
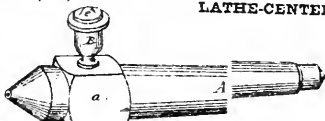
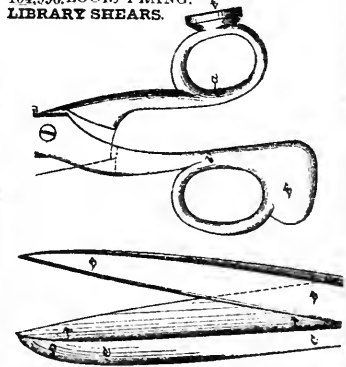
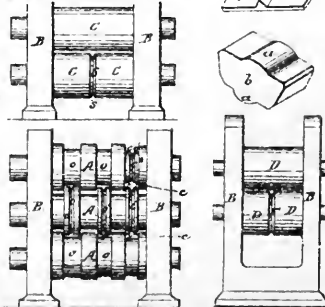
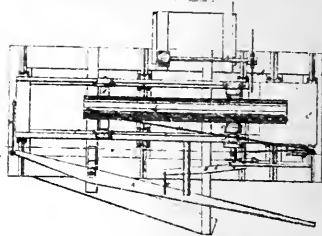
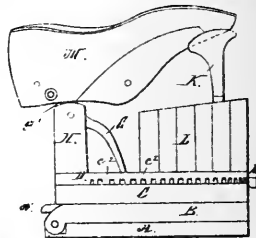
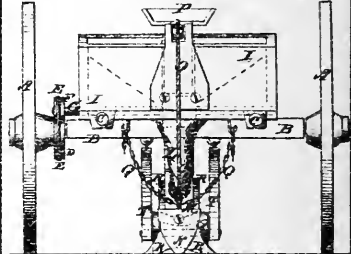
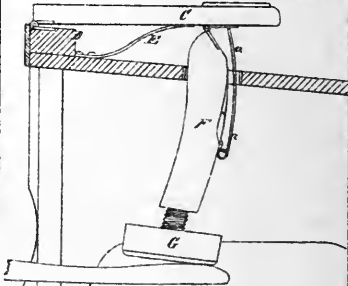
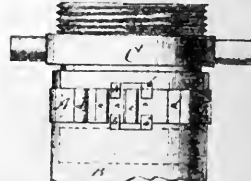
104,985, WILLIAM NEWSHAM.  
 MACHINE FOR CUTTING DIES.



104,974, ALFRED C. MANNING.  
 SAGE-HOLDERS.



104,986, JOSEPH NIXON. EJECTORS.

104,987, JOSEPH NIXON.  
FILTERS.104,988, BENJAMIN BROOKS OCKINGTON.  
ANDREW J. OCKINGTON.  
ARBOR FOR TURNING CLOTHES-PINS.104,989, H. W. OLNEY. METHOD OF  
HANGING WINDOW-SHADES.104,990, EDWIN K. PAGE.  
FOLDING-STEREOSCOPES.104,991, URIAH PAGE. PRESS FOR  
PRESSING COTTON OR HAY.104,992,  
W. PAINTER.  
SEED-SOWER.104,993, ROLLA A. PEET.  
HAY AND MANURE-FORKS.104,994,  
L. F. PINGREE.  
ARTIFICIAL LEGS.104,995, H. K. PORTER.  
LATHE-CENTER.104,996, LOUIS PRANG.  
LIBRARY SHEARS.104,997, JACOB REESE. METALLIC LATH  
AND BILLETS FROM WHICH THE SAME  
MAY BE PRODUCED.104,998, FREDERICK RHOD.  
SAWING-MACHINES.104,999, HUBERT RICARD.  
PEGGING-JACKS.105,000, JORDAN RIGGSBEE.  
COTTON-SEED PLANTER.105,001, D. A. SANBORN.  
PENMAN'S HAND-SUPPORTS.105,002, GUSTAV A. SCOTT  
W. B. FRISBEE.  
SUPPLEMENTARY PEDAL  
ATTACHMENT FOR PIANO-FORTES.105,003, AUGUST SCHRADER.  
RINGS FOR SECURING  
HOSE TO COUPLINGS.



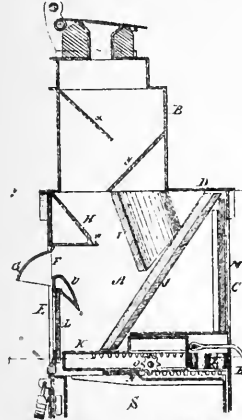
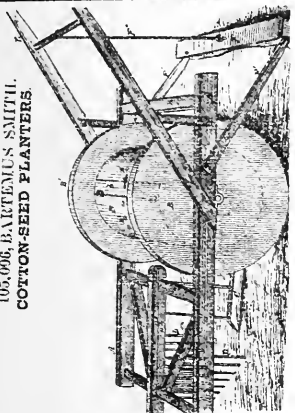
105,004, WILLARD C. SHORT.

CHAIN-LINK.

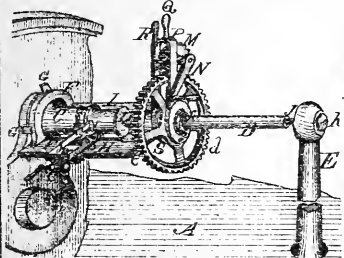
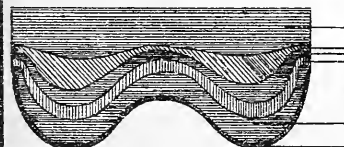
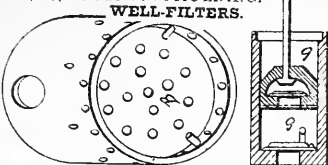
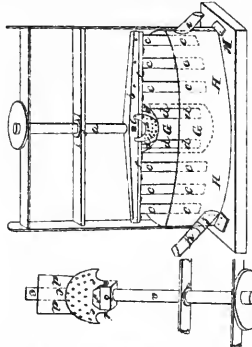
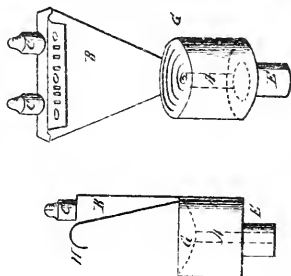
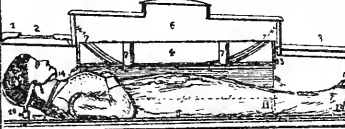
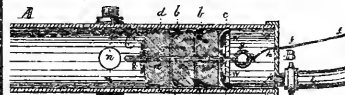
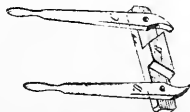


105,005, J. B. SLAWSON.

FARE-BOX FOR VEHICLES.

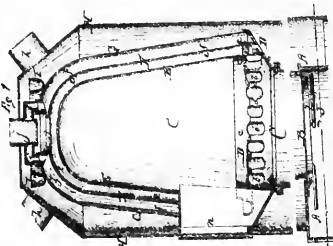
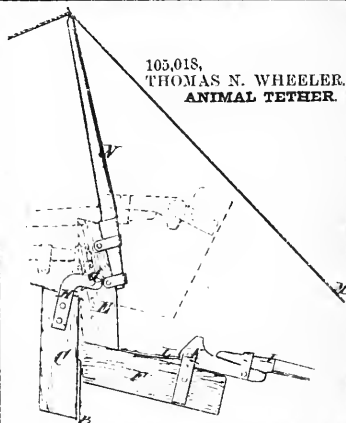
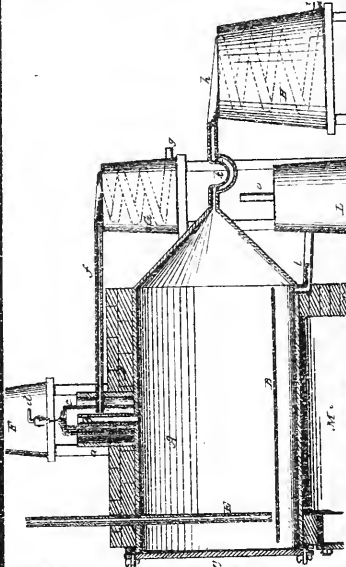
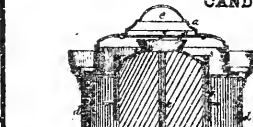
105,006, BARTENUS SMITH.  
COTTON-SEED PLANTERS.105,007, HORACE S. SMITH.  
WM. D. WHITMORE.

MACHINE FOR TURNING CRANK-PINS.

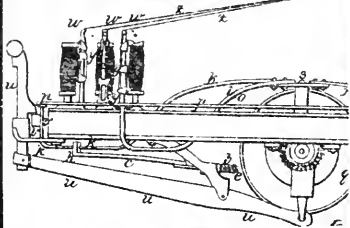
105,008, W. C. SMITH. CONSTRUCTION  
OF DENTAL IMPRESSION-MOLDS.105,009, JAMES P. SPAULDING.  
WELL-FILTERS.105,010, WELLS SPICER.  
APPARATUS FOR SAVING MERCURY  
FROM THE WASHINGS OF GOLD AND  
SILVER ORES.105,011, OSCAR MAX SPILLER, M. D.  
MEDICAL COMPOUND FOR THE  
CURE OF FEVER AND AGUE.105,012, WM. STEWART. APPARATUS FOR  
GENERATING AND BURNING GAS.105,013, JAMES C. TAYLOR.  
CORPSE-PRESERVER.105,014, MARSHALL TURLEY.  
BENJAMIN F. THOMAS.  
PRINTERS' INK.105,015, JAN VAN SLOOTEN.  
CALEB S. HUNT.  
WM. McCULLOCH.  
PIPE-CLEANSING APPARATUS.105,016, WALTER WARD.  
SPIKE-EXTRACTOR.

105,017, EDWARD WEBSTER.

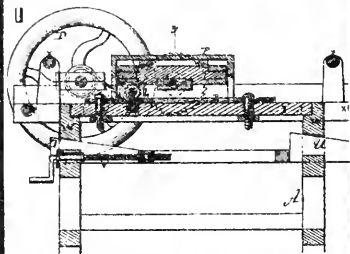
HOT-AIR FURNACE.

105,018,  
THOMAS N. WHEELER.  
ANIMAL TETHER.105,019, THOMAS W. WHEELER.  
DISTILLING PINE WOOD.105,020, THOMAS SCOTT WILLIAMS.  
FREEMAN AUGUSTUS TABER.  
CANDLE-LAMPS.105,021, JOHN WILSON.  
GEORGE H. BAISLY.  
WELL-AUGERS.

105,022, GILMAN K. WINCHESTER.  
STOP-MOTION SPRING FOR  
BRAIDING-MACHINES.



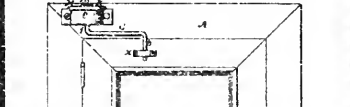
105,023, JOHN A. WOOD.  
SAWING-MACHINE.



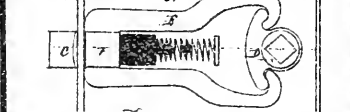
105,024, JACKSON WRIGHT.  
GREEN WRIGHT.  
STONE-TRUCKS.



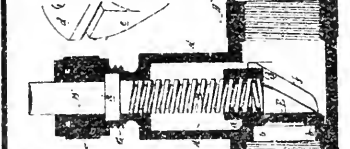
105,025, WARREN ALLEN, DOOR-SPRINGS.



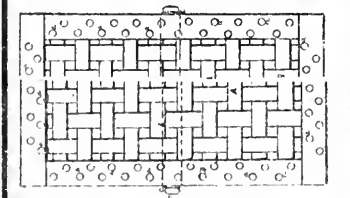
WM. H. ANDREWS REVERSIBLE LATCH.  
105,926,



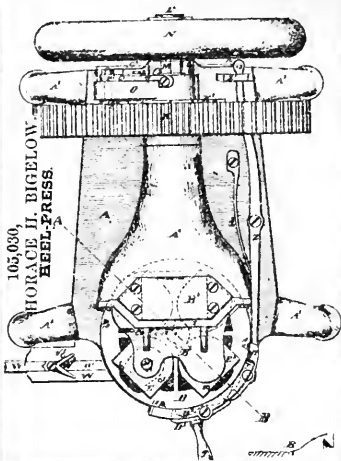
105,027, HENRY BELFIELD. VALVES.



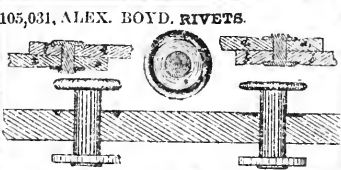
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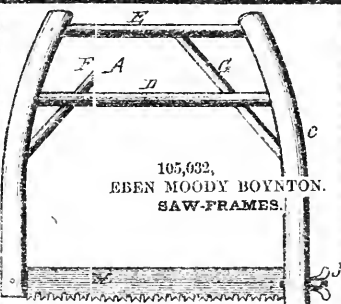
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MORRIS L. BENNETT.  
TUNING-SCALE.



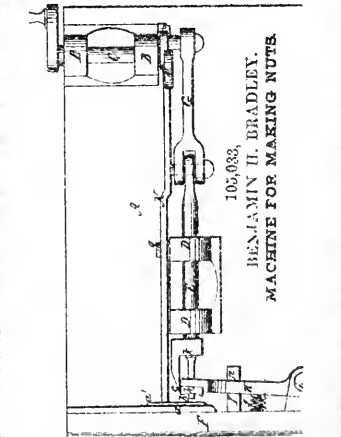
105,030,  
HONORÉ L. BIGELOW.  
BEE-PRESS.



105,031, ALEX. BOYD. RIVETS.

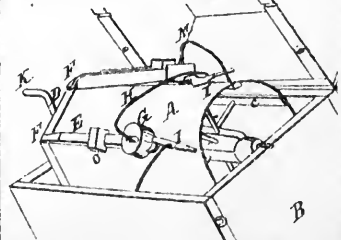


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EBEN MOODY BOYNTON.  
SAW-FRAMES.

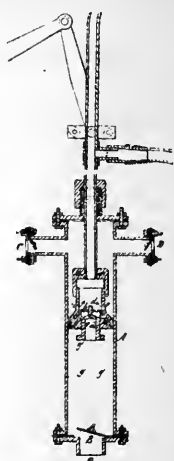


105,033,  
BENJAMIN H. BRADLEY.  
MACHINE FOR MAKING NUTS.

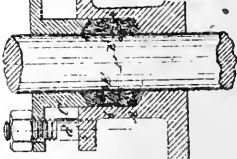
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FLOUR-BOLT KNOCKER.



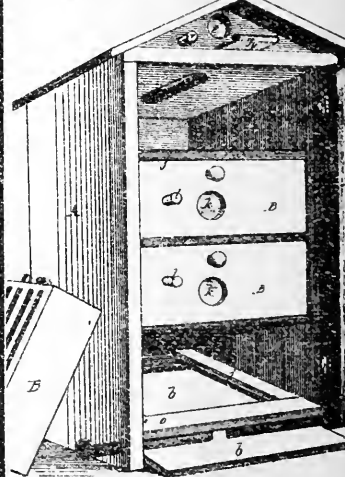
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MARTIN BRAUN.  
DOUBLE-ACTING PUMPS.



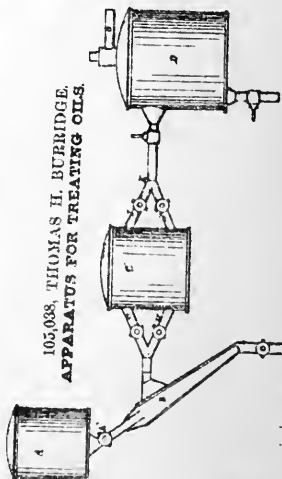
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STEAM-PACKING.



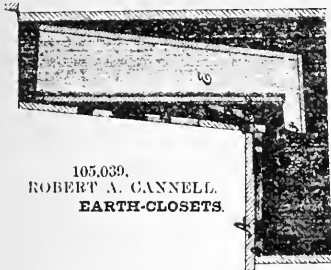
105,037, DAVID S. BURGET.  
BEE-HIVES.



105,038, THOMAS H. BURRIDGE.  
APPARATUS FOR TREATING OILS.



105,039,  
ROBERT A. CANNELL.  
EARTH-CLOSETS.



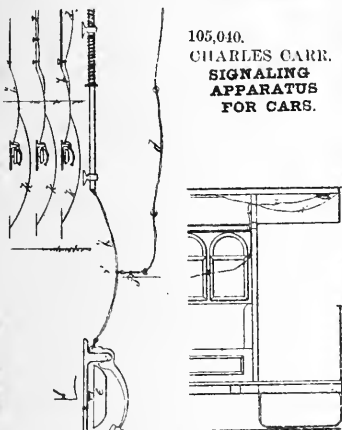
105,044, JOHN HOSMER CLARK. FILES.



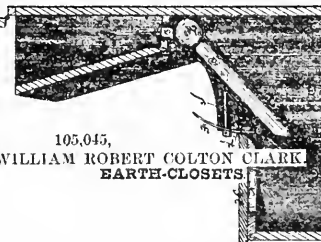
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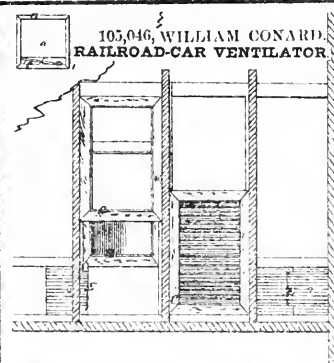
105,040,  
CHARLES CARR.  
SIGNALING  
APPARATUS  
FOR CARS.



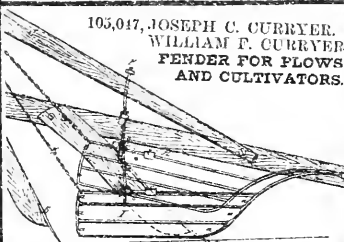
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WILLIAM ROBERT COLTON CLARK  
EARTH-CLOSETS



105,046, WILLIAM CONARD.  
RAILROAD-CAR VENTILATOR

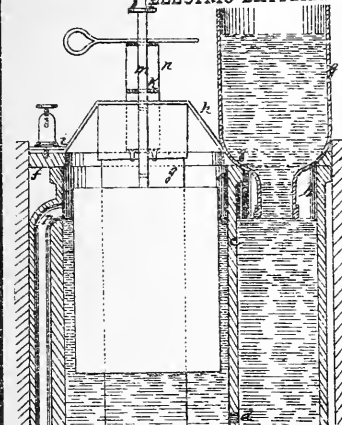


105,047, JOSEPH C. CURRYER.  
WILLIAM F. CURRYER.  
FENDER FOR FLOWS  
AND CULTIVATORS.

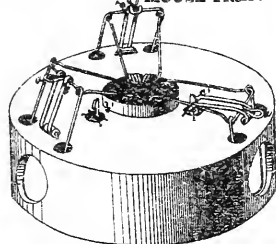


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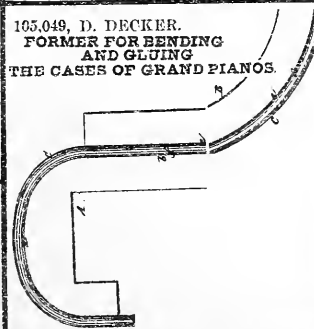
105,042, T. CHUTAUX.  
ELECTRIC BATTERIES.



105,048, ANTHONY G. DAVIS.  
HENRY S. FROST.  
MOUSE-TRAP.



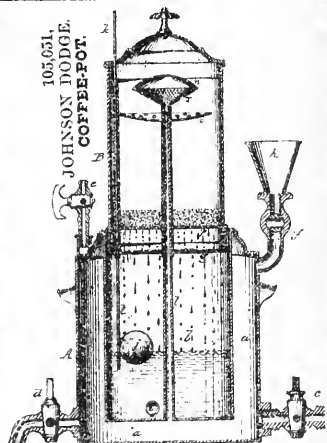
105,049, D. DECKER.  
FORMER FOR BENDING  
AND GLUING  
THE CASES OF GRAND PIANOS.



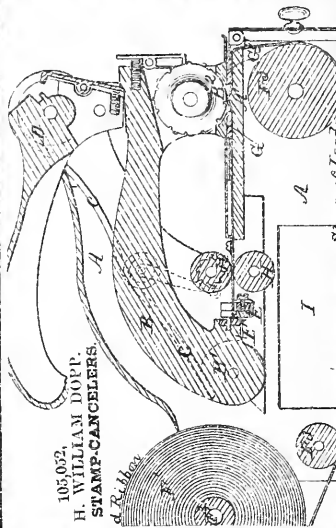
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ELECTRIC BATTERIES.



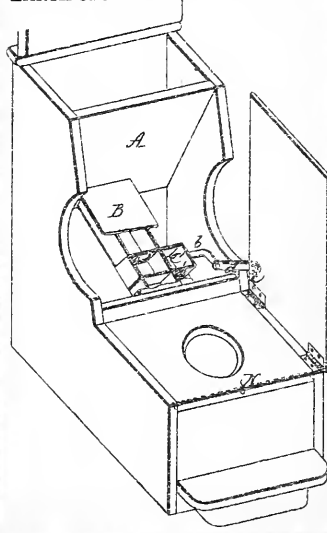
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COFFEE-POT.



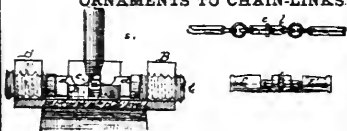
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H. WILLIAM DODGE.  
STAMP-CANCELERS.



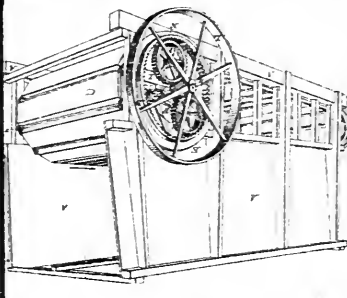
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EARTH-CLOSETS.



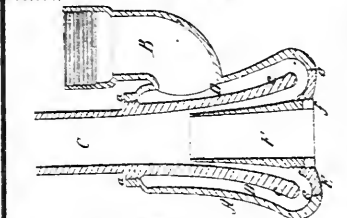
105,054, VIRGIL DRAPER.  
MACHINE FOR ATTACHING  
ORNAMENTS TO CHAIN-LINKS



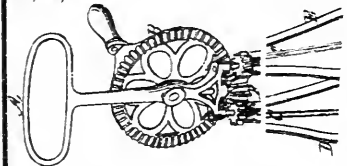
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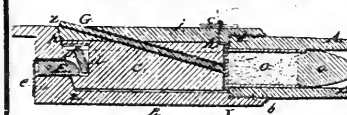
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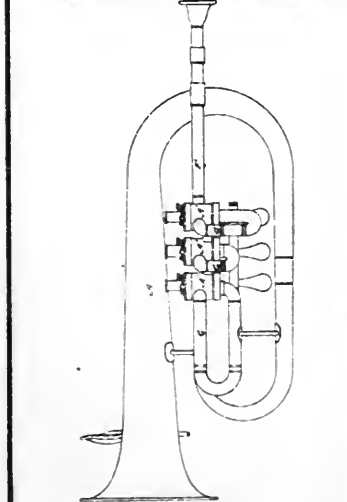
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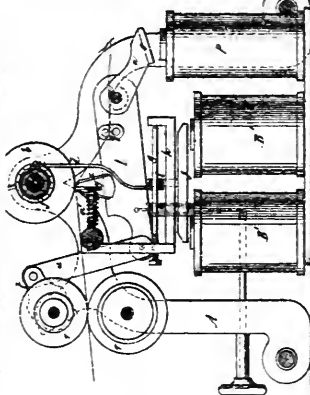
105,058, ALFRED B. ELY.  
EDW. C. CLAY.  
BREACH-LOADING FIRE-ARMS.



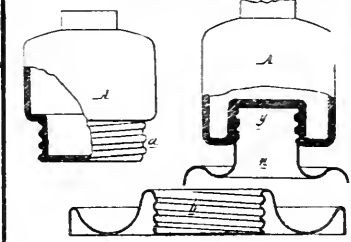
105,059, WILHELM C. FIETZ. CORNETS  
AND OTHER WIND INSTRUMENTS.



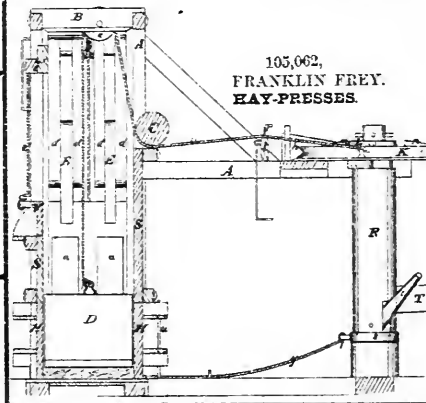
105,060, T. M. FOOTE AND C. A. RANDALL.  
TELEGRAPHIC PRINTING APPARATUS.



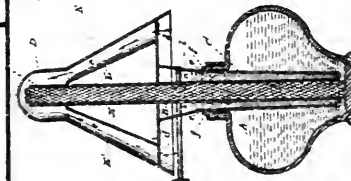
105,061, ALONZO FRENCH.  
MODE OF SECURING GLASS  
VESSELS TO METAL BASES.



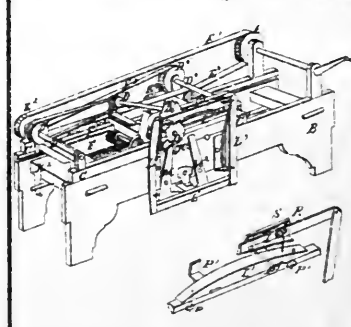
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FRANKLIN FREY.  
HAY-PRESSES.



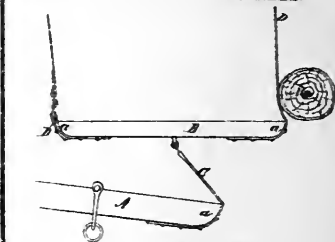
105,063, GEORGE P. FULLER. LAMPS.



105,064, ROBERT W. GEORGE.  
STAVE-JOINTER



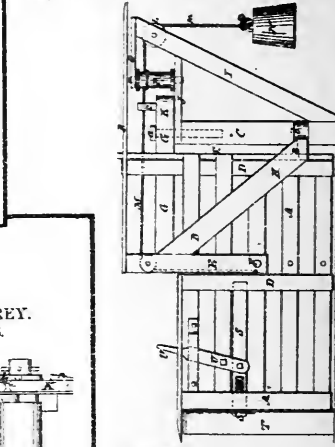
105,065, ARTHUR GREENMAN.  
WHIFFLETREES.



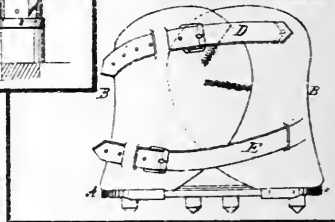
105,066, NATHAN S. GREENWOOD.  
GRAIN AND SEED-SIEVES.



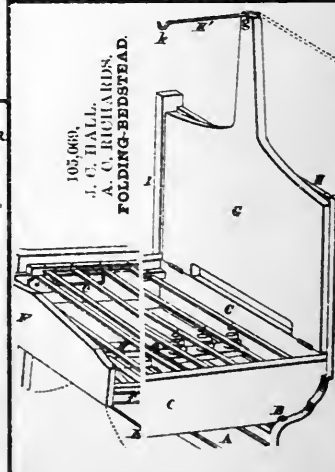
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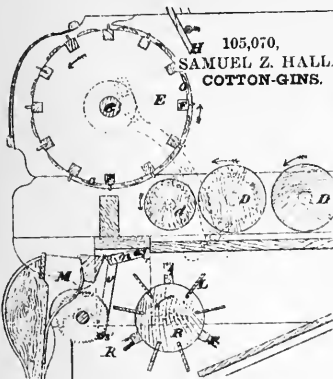


105,068,  
HENRY G. HAEDRICH.  
EDWARD M. HAEDRICH.  
COMBINED BOOT AND  
SHOE FOR HORSES.



105,069,  
J. C. HALL.  
A. C. RICHARDS.  
FOLDING-BEDSTEAD.



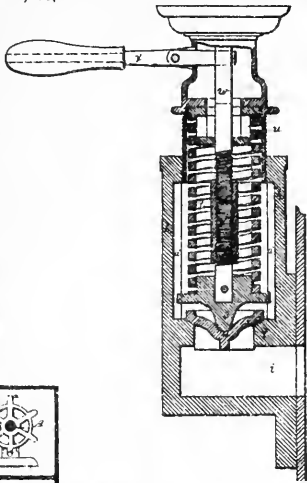


105,070.  
SAMUEL Z. HALL.  
COTTON-GINS.

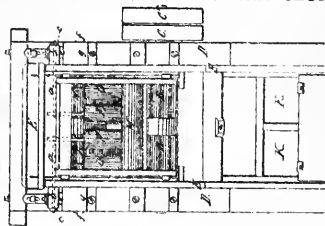
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SETTING CLOCK-DIALS.



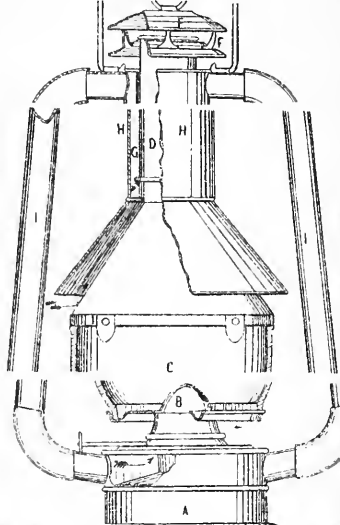
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105,082, RODNEY HUNT.  
MACHINES FOR PULLING CLOTH.

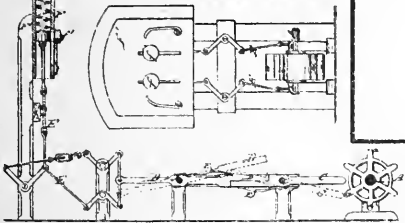


105,083, J. H. IRWIN. LANTERNS.

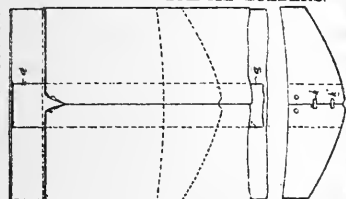


105,084, GUSTAV J. JAEGER.  
ADHESIVE COMPOUND FOR  
PREPARING PASTEBOARD.

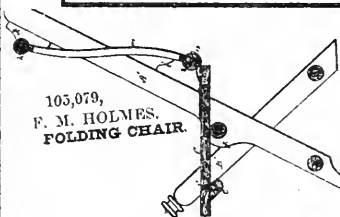
105,071, A. R. HARRIS.  
APPARATUS FOR SIGNALING THE  
DIRECTION OF MOTION OF  
MARINE-ENGINES.



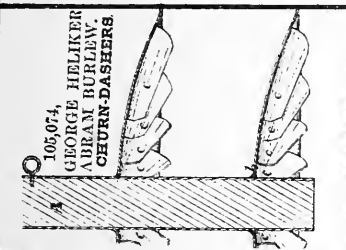
105,072, WILLIAM H. HART, JR.  
HIRAM H. THAYER.  
NECK-TIE HOLDERS.



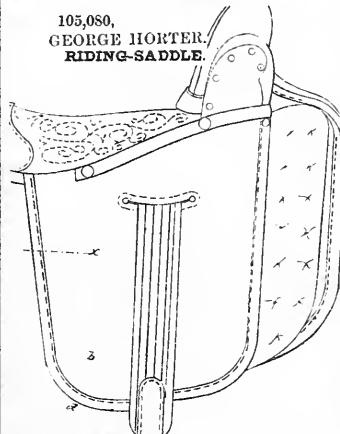
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F. M. HOLMES.  
FOLDING CHAIR.



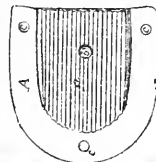
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MEDICAL COMPOUND.



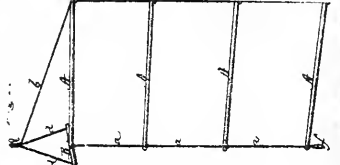
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GEORGE HORTER.  
RIDING-SADDLE.



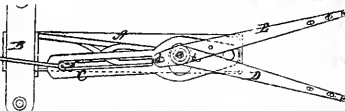
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WM. S. JESSUP.  
TRUNK-HANDLE CAP.



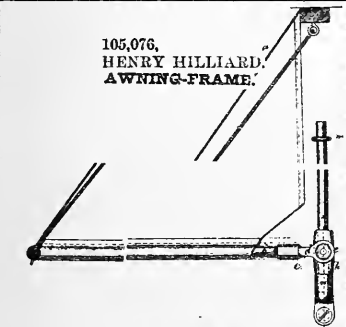
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CLOTHES-RACK.



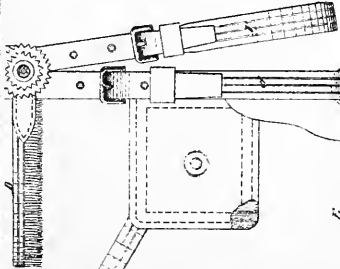
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ALLEN JOHNSTON.  
EMBROIDERING ATTACHMENT  
FOR SEWING-MACHINE.



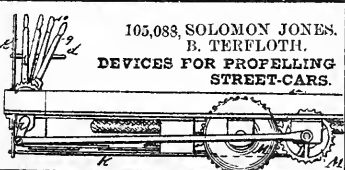
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HENRY HILLIARD.  
AWNING-FRAME.



105,081, GEORGE HORTER.  
BRIDLES FOR HARNESS.

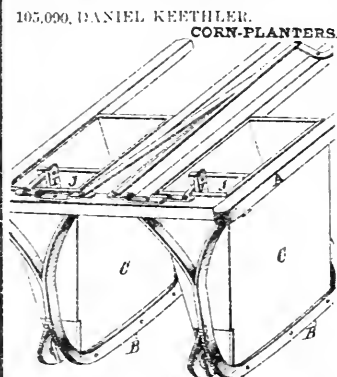


105,083, SOLOMON JONES.  
B. TERFLOTH.  
DEVICES FOR PROPPELLING  
STREET-CARS.

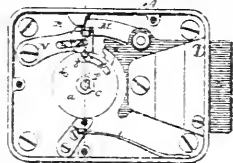




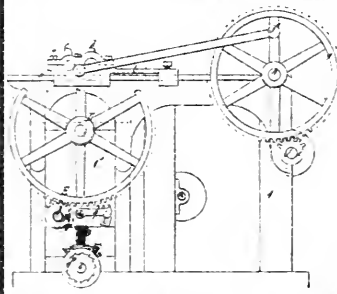
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CARL LIST.  
COMPOUNDING CHINA-CLAY TO  
IMITATE MARBLE, MOTHER-OF PEARL.



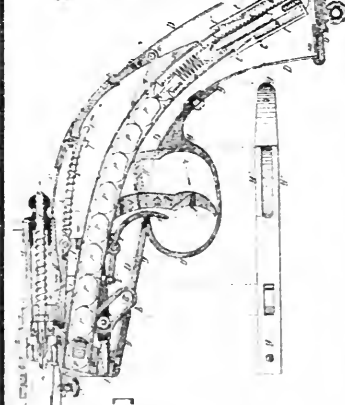
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PERMUTATION LOCKS.



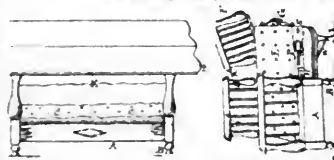
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VENEER-CUTTERS.



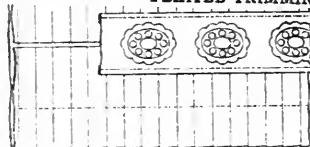
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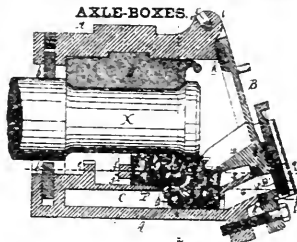
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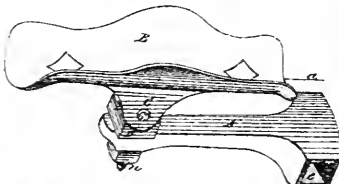
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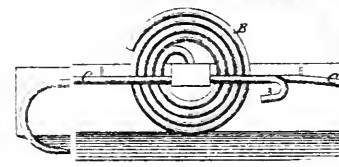
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JOHN EASTBURN WOOLLEN.  
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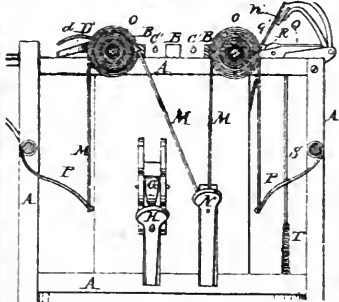
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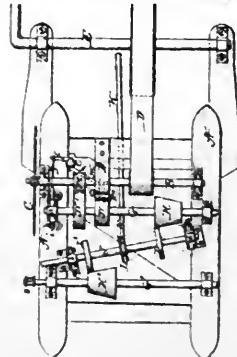
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105,099, NICHOLAS LORTON.  
JOHN S. DAVISON.  
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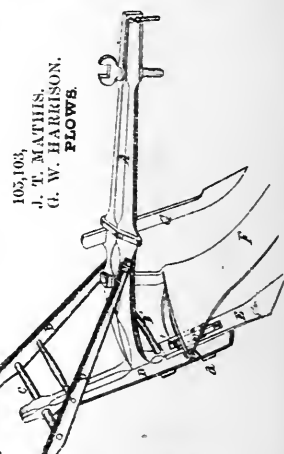
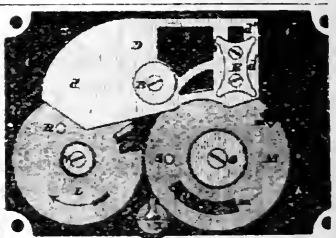
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CIRCULAR-SAW MILLS.



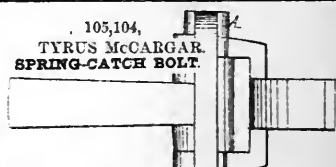
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105,102, NEIL MACNEALE.  
PERMUTATION LOCKS.



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G. W. HARRISON.  
FLOWS.



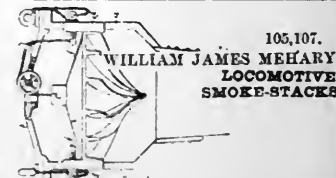
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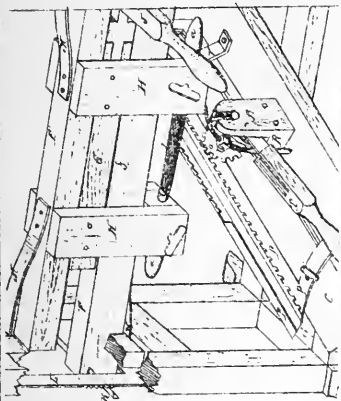
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JOHN McKENNA.  
THOMAS McKENNA.



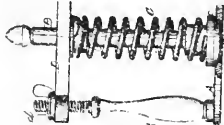
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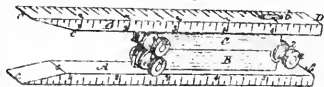
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105,115, FRANCIS R. MOORHEAD  
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DENTAL VULCANIZERS.



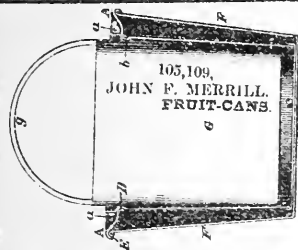
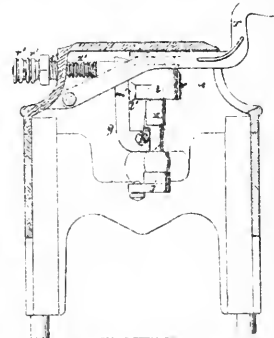
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COMBINED BEVEL SQUARE, RULE, &c.



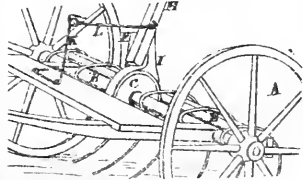
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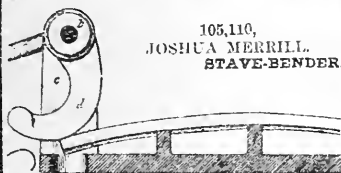
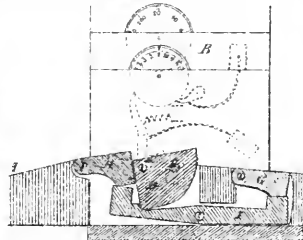
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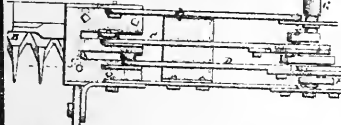
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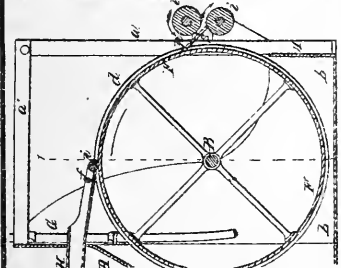
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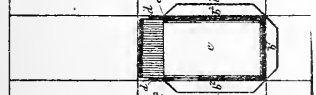
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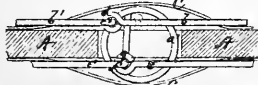
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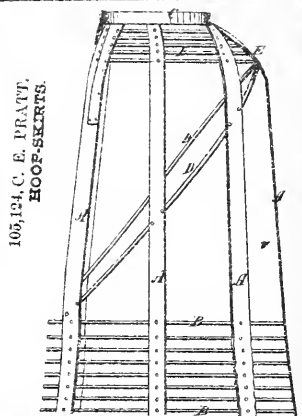
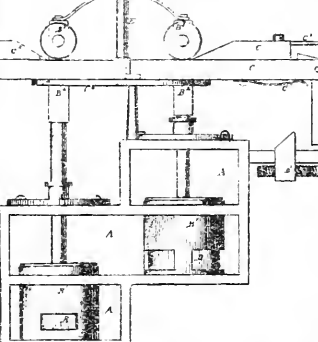
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NEEDLE-WRAPPERS.



105,114, THOMAS E. MOORE.  
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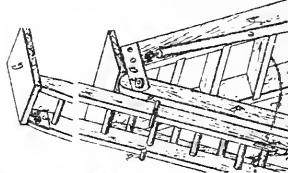


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GEAR AND VALVE



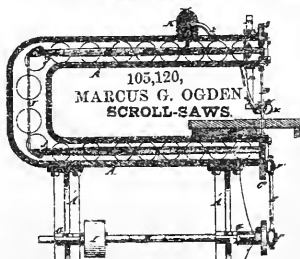
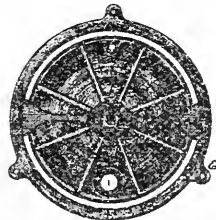
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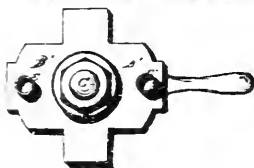
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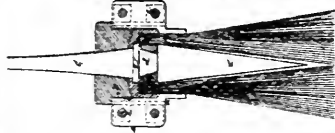
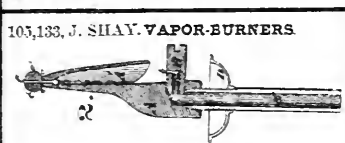
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105,128, FRANKLIN ROBERTS.  
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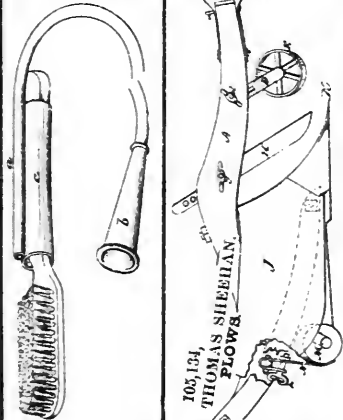
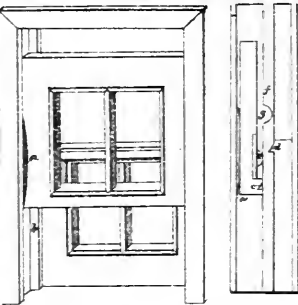
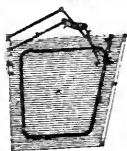
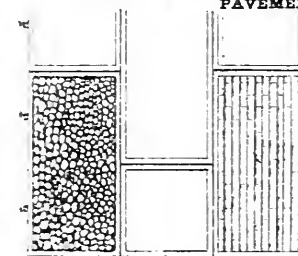
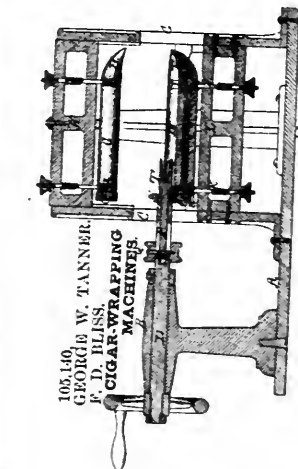
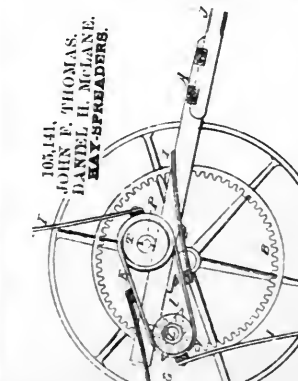


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VALVE FOR STEAM-ENGINES.

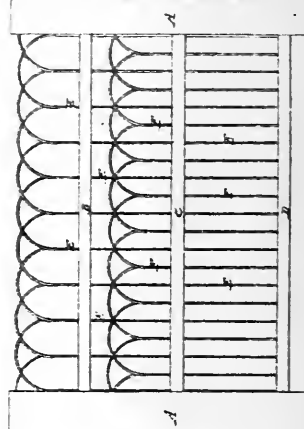
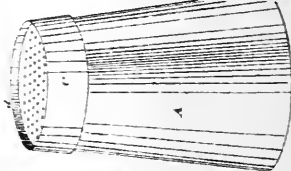
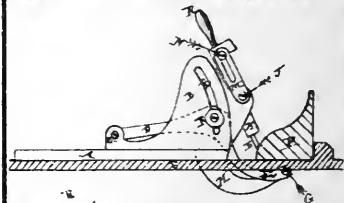
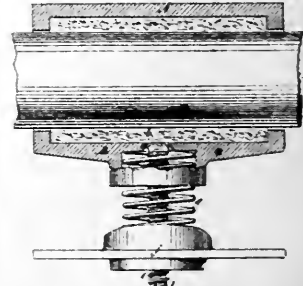
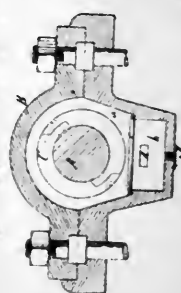
105,130, CHARLES F. RUSSET. BRUSH.

105,131, CHARLES F. RUSSET. DEVICE FOR  
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MANUFACTURE OF ARTIFICIAL STONE.

105,133, J. SHAY. VAPOR-BURNERS.

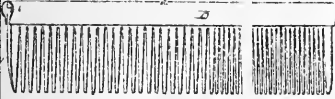
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W. A. SHEPARD.  
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WINDOW-SASHES AND FASTENERS.105,138, ANDREW STEVENS.  
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105,143, DAVID M. TYLER. FENCE.

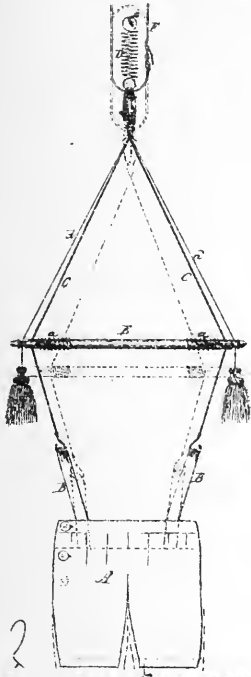
105,144, C. C. VAN DEUSEN.  
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MACHINE FOR FLUTING MOLDINGS.105,146, ERNEST VON JEINSEN.  
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105,148, EDWARD EDMONDS WARNER.  
JACOB WILLIAM WALTON.  
ROBERT VINE.

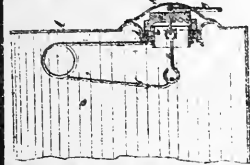
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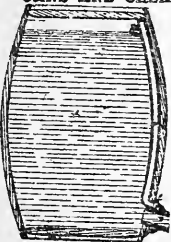
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BABY-JUMPER.



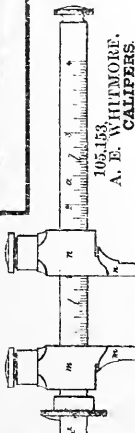
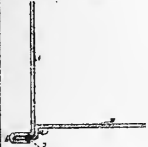
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TAPS FOR LIQUID PACKAGES.



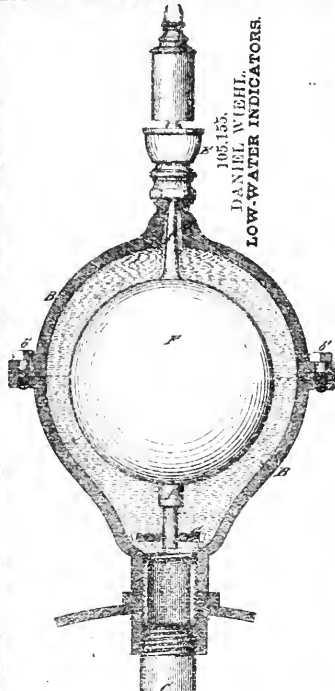
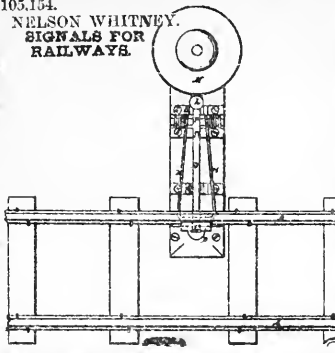
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105,152, ABEL L. WEBSTER.  
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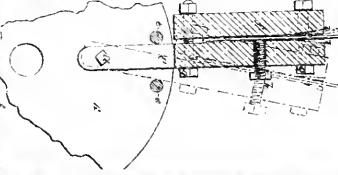
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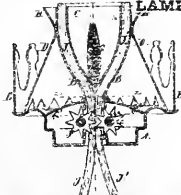
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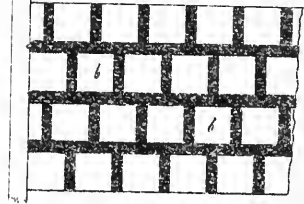
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PLATT D. BABBITT.  
MACHINE FOR DRESSING MARELS.



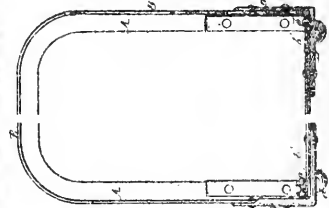
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WM. D. LUDLOW.  
MARY A. VAN ALLEN.  
LAMP-BURNERS.



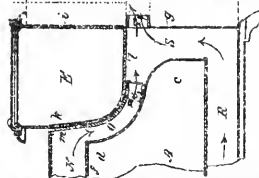
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COMPOSITION PAVEMENTS.



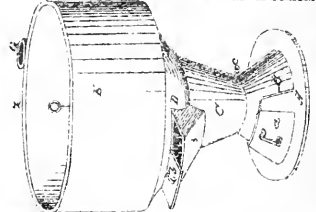
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TRAVELING-BAGS.



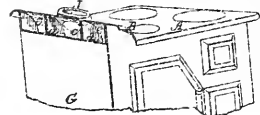
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COOKING-STOVE.



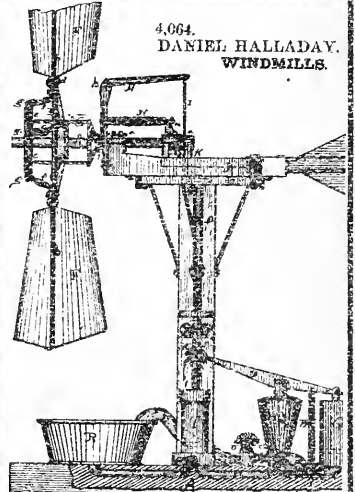
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FARMERS' BOILER.



4,063, GEO. H. PHILLIPS.  
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4,064, DANIEL HALLADAY.  
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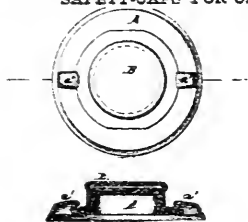


## ILLUSTRATIONS OF PATENTS

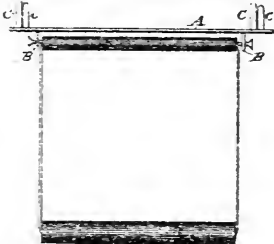
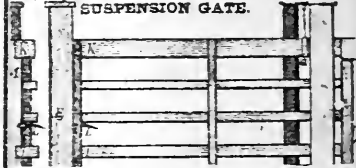
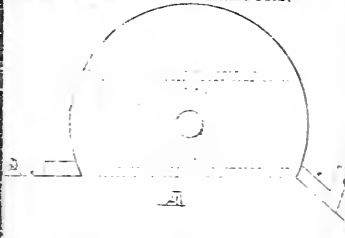
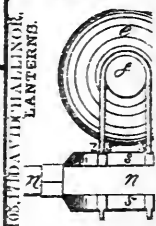
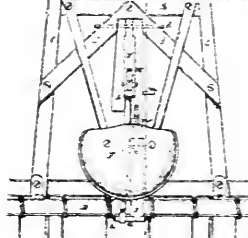
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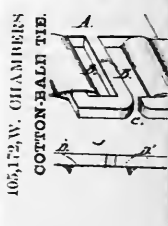
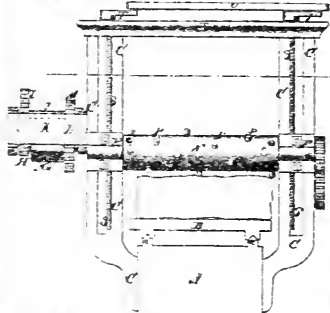
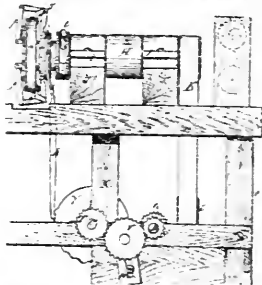
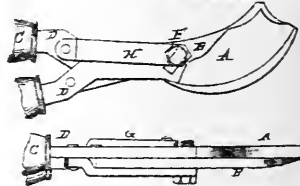
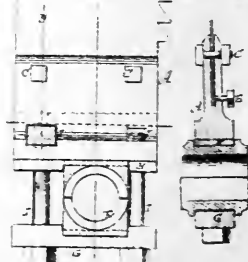
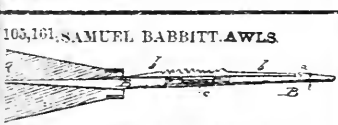
JULY 12, 1870.

105,157, HORACE C. ALEXANDER.  
SAFETY-CAPS FOR CANS

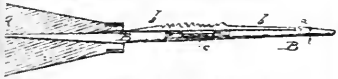
105,164, THOS. H. BRADLEY, BIRD-CAGES.

105,170, EDWARD CHADDERDON.  
SUSPENSION GATE.105,158, CHAS. L. ALLEN, FAN-CASE FOR  
GRAIN AND SEED-SEPARATORS.105,165, ALZIRUS BROWN.  
HORSE HAY-RAKES

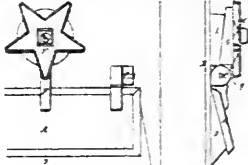
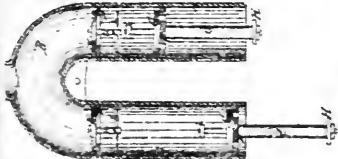
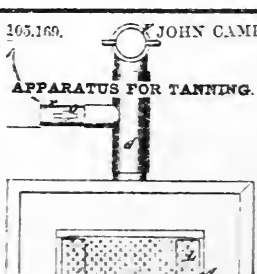
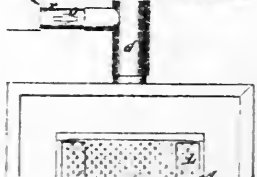
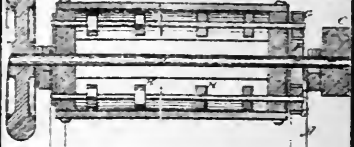
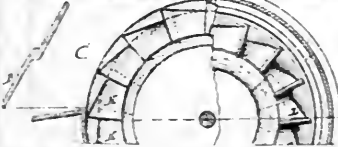
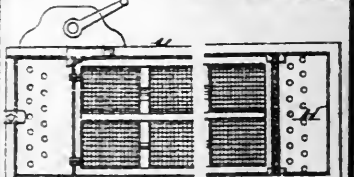
105,171, DAVID T. HALL, LANTERNS.

105,172, W. CHAMBERS.  
COTTON-BELT TIE.105,159, ALEX. G. ANDERSON.  
MACHINE FOR DRESSING STONE105,166, J. C. BROWN.  
LATHES FOR TURNING WOOD.105,173, A. B. CHAPMAN.  
PRUNING SHEARS105,174, DANIEL CILLEY.  
MULEY-SAW HANGINGS.105,160, RAMON ANTIGÜEDAD.  
MANUFACTURE OF TOBACCO-PAPER

105,161, SAMUEL BABBITT, AWLS

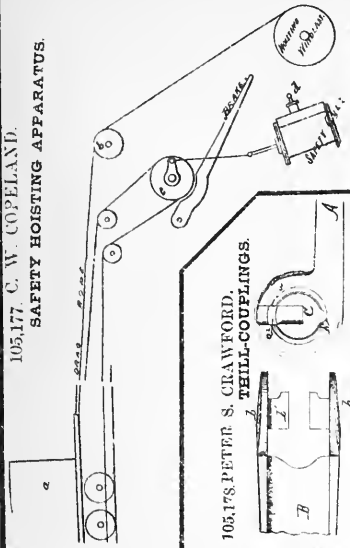


105,167, MICAJAH C. BURLEIGH, DAMPERS

105,162, ALLEN BAGLEY.  
DOUBLE-ACTING FORCE-PUMPS105,168, LUCY J. BUTRILL.  
MEDICAL COMPOUND.105,169, JOHN CAMPION.  
APPARATUS FOR TANNING.105,175, EDWARD JAMES CODD.  
COFFEE-POLISHER.105,163, JOSEPH BASTION.  
WATER-WHEELS105,176, A. S. COLLINS.  
SPAWNING-SCREEN.



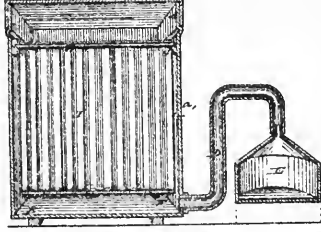
105,177, C. W. COPELAND.  
SAFETY HOISTING APPARATUS.



105,178, PETER S. CRAWFORD.  
TEILL-COUPINGS.



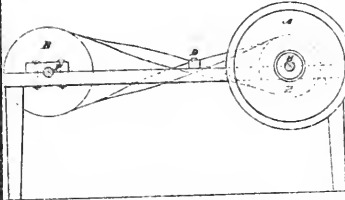
105,182, ISAAC A. DAVIS.  
APPARATUS FOR SPONGING CLOTH.



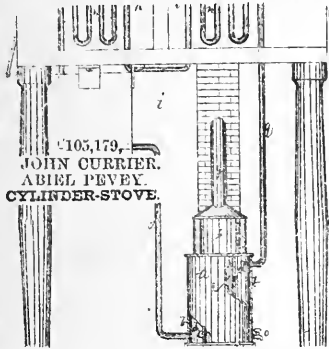
105,183, ABRAHAM DEUTSCHEL.  
ICE-CUTTING MACHINE.



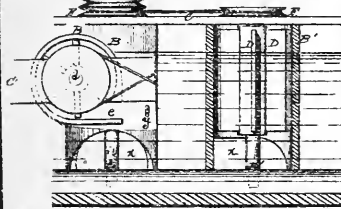
105,184, ELIHU DOUD. MOWER AND  
REAPER SICKLE-SHARPENER



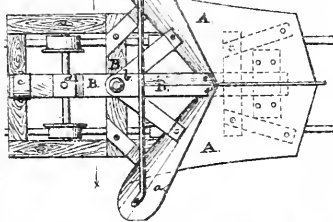
105,179, JOHN CURRIER.  
ABEL PEVEY.  
CYLINDER-STOVE.



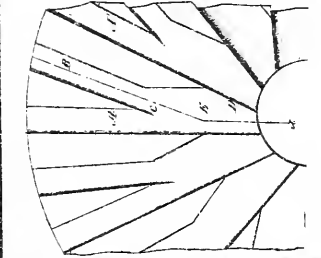
105,180, SAMUEL DARLING.  
PROCESS AND APPARATUS  
FOR HARDENING FILES, &c.



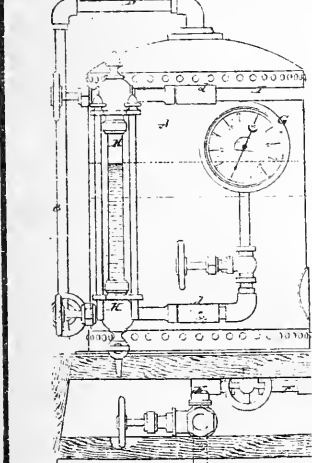
105,185, JASPER N. DRAKE.  
SNOW-PLOW.



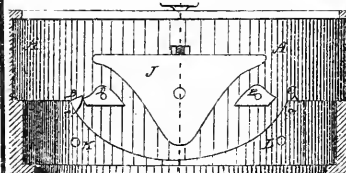
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HARRISON OSBURN.  
MILLSTONE-DRESS.



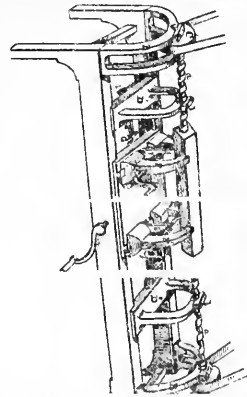
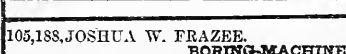
105,181, J. P. F. DATICHY.  
INJECTORS FOR STEAM-BOILERS.



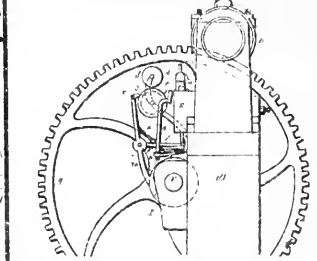
105,187, W. FRANZ AND W. POPE.  
KNITTING MACHINE.



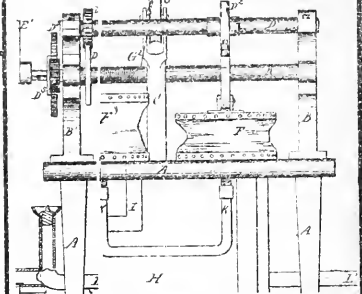
105,188, JOSHUA W. FRAZEE.  
BORING-MACHINE.



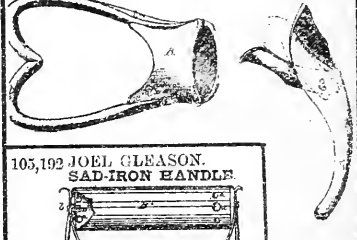
105,189, P. N. GALLAHER.  
ISAAC C. TATE. MACHINE FOR  
MAKING HORSESHOE-NAILS



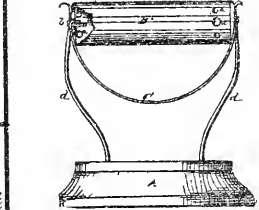
105,190, JOSEPH P. GALLAHER.  
GAS-MACHINES



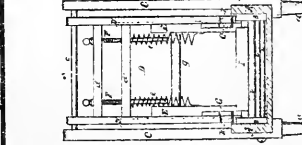
105,191, WILLIAM R. GARDNER.  
PESSARIES

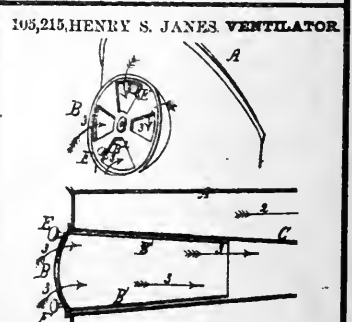
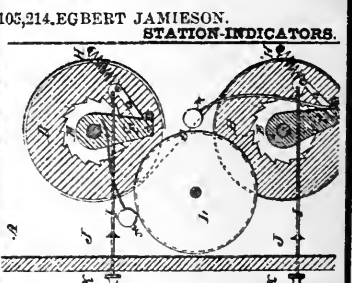
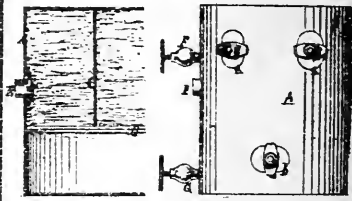
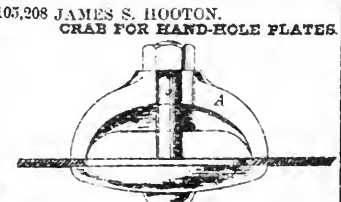
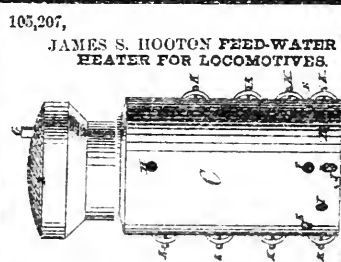
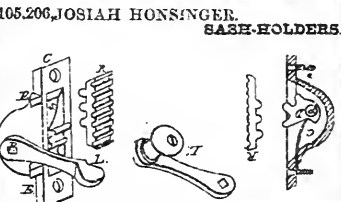
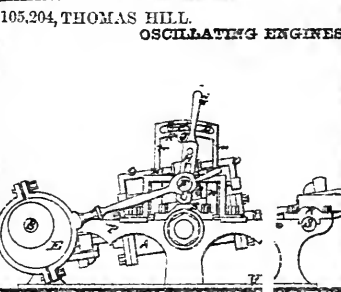
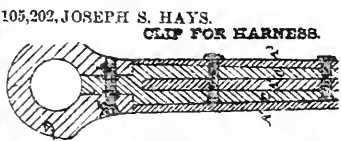
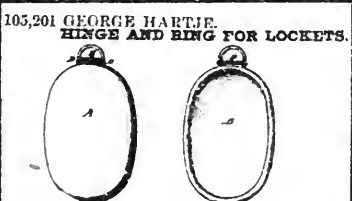
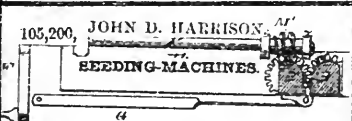
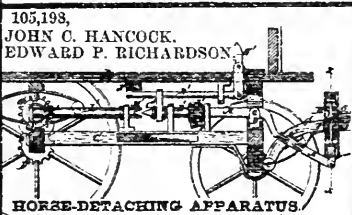
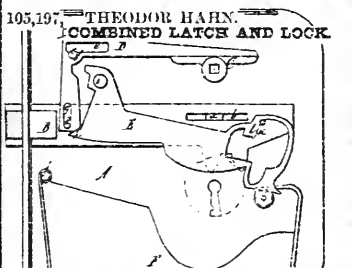
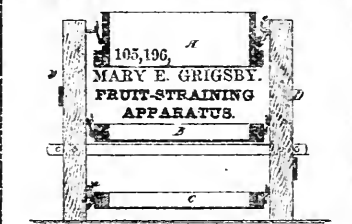
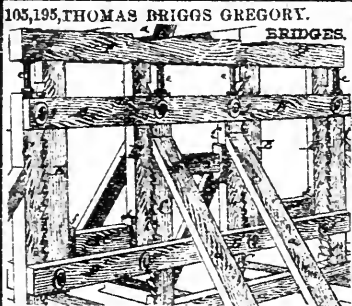
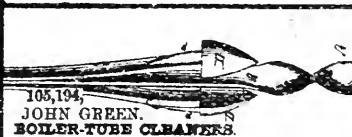


105,192, JOEL GLEASON.  
SAD-IRON HANDLE

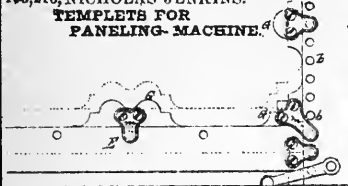


105,193, ISAIAH W. GRAFFAM.  
WASHING-MACHINE.

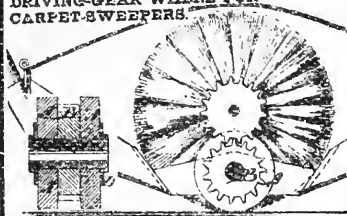




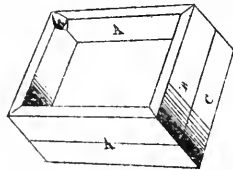
105,216, NICHOLAS JENKINS.  
TEMPLATES FOR  
PANELING-MACHINE.



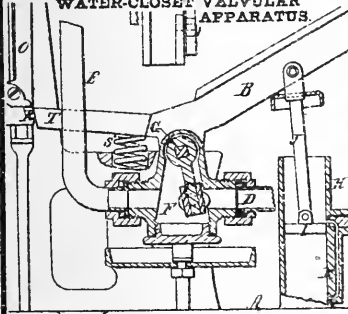
105,223, ALFRED J. KNIGHT.  
DRIVING-GEAR WHEEL FOR  
CARPET-SWEEPERS.



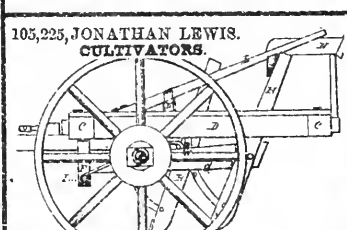
105,233, LUTHER V. MOULTON.  
FRAME FOR SENSITIZING  
PHOTOGRAPHIC PAPER.



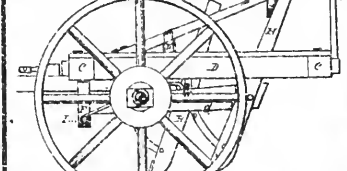
105,217, JOHN KEANE.  
WATER-CLOSET VALVULAR  
APPARATUS.



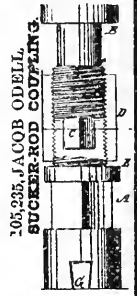
105,224, SAMUEL LAUGHTON  
FEVER AND AGUE MEDICINE.



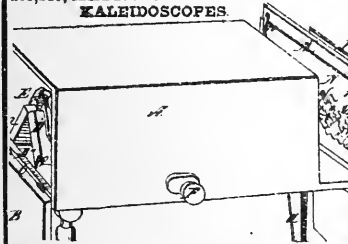
105,225, JONATHAN LEWIS.  
CULTIVATORS.



105,234,  
EMMA NORMAN  
FIRE-PLACE GRATE.

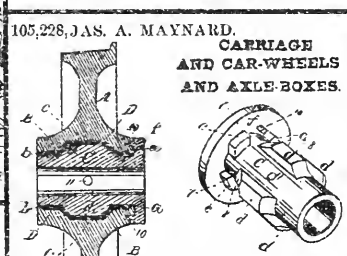


105,218, MATTHIAS KELLER.  
KALEIDOSCOPES.



105,226, SCHUYLER W. MAHAN.  
LEMON FRUIT SIRUP.

105,227  
SCHUYLER W. MAHAN, RASPBERRY  
AND STRAWBERRY FRUIT SIRUP



105,228, JAS. A. MAYNARD.  
CARRIAGE  
AND CAR-WHEELS  
AND AXLE-BOXES.

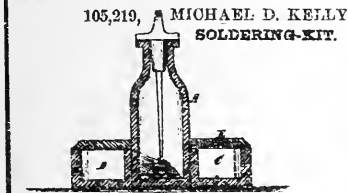
105,236, CHARLES M. O'HARA.  
SHOE-STRING FASTENING.



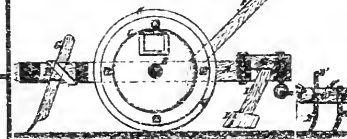
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MATHEW O'REARDON  
PEN-RACKS.



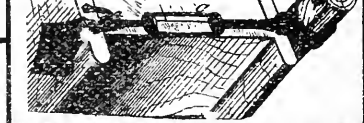
105,219, MICHAEL D. KELLY.  
SOLDERING-KIT.



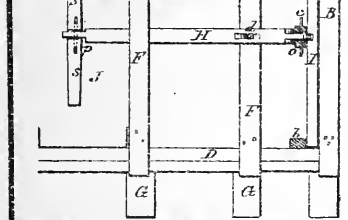
105,229, JONES K. MCCLURE.  
COMBINED SEEDER, PLANTER  
CULTIVATOR, AND HARROW



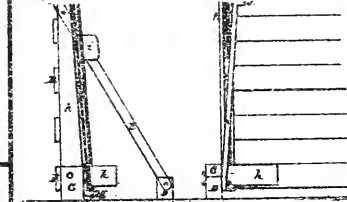
105,238, BENJAMIN F. OSGOOD.  
APPARATUS FOR STAKING  
HORSE-POWERS.



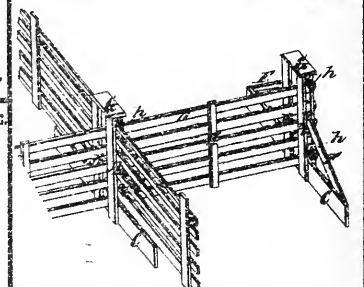
105,220, JACOB KEPLINGER.  
AUTOMATIC SLUICE-GATE.



105,230 DANIEL J. MILLER FLOOD-FENCE.



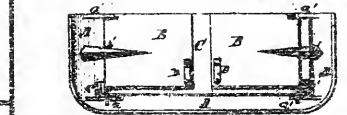
105,239, THOS. W. OWENS, FARM-FENCE.



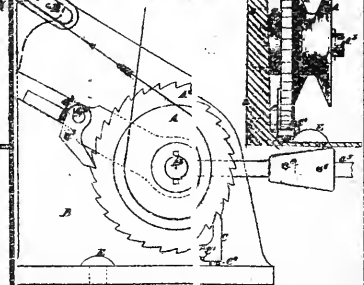
105,221, PETER KIDNEY.  
FARM-FENCE.



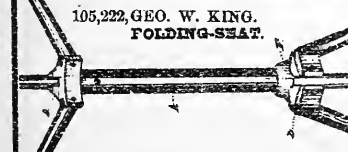
105,231 JACOB MILLER.  
FENDER AND  
WILLIAM H. B. FLENDER FIRE-SCREEN



105,240, ARTHUR PAGET.  
MACHINE FOR TIGHTENING  
ROPE, &c.

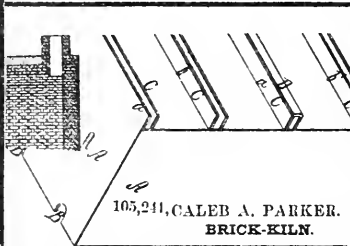
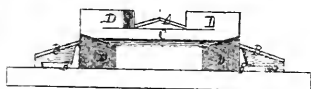
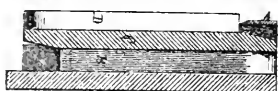
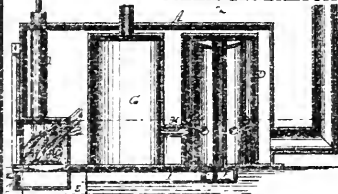
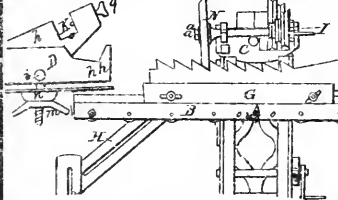


105,222, GEO. W. KING.  
FOLDING-SEAT.

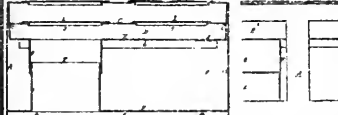


105,232, WILLIAM MILLER.  
WEATHER-STRIP.

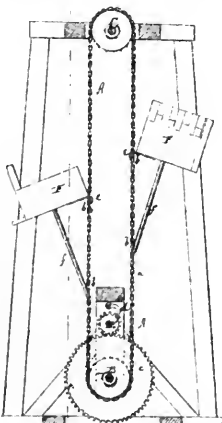
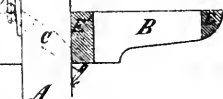
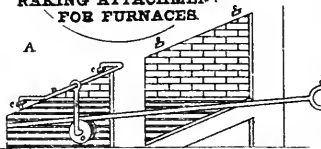
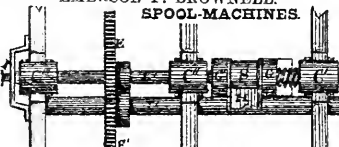
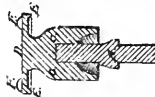
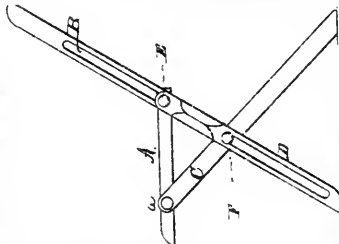
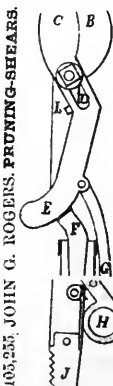


105,241, CALEB A. PARKER.  
BRICK-KILN.105,242, F. M. PATTERSON  
H. P. MILLER.  
HARNESS-MAKERS' EDGING-TOOL105,243, ROBERT PATTERSON.  
STEAM-GENERATOR.105,244, HARFORD J. PERKINS.  
MACHINE FOR SHARPENING  
THE TEETH OF SAWS.

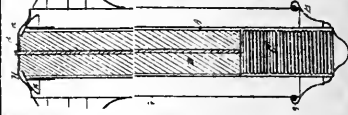
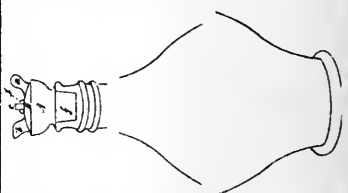
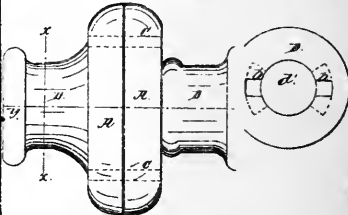
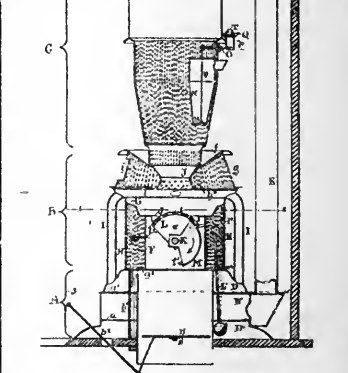
105,245, E. PHILLIPS. SAD-IRON HEATER.



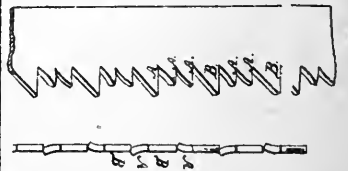
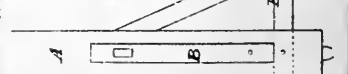
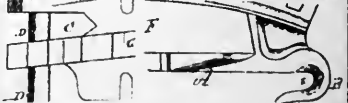
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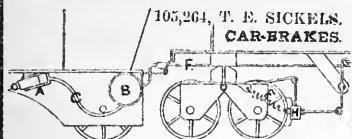
105,247, WM. PYLE.  
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105,255, JOHN G. ROGERS. PRUNING-SHEARS.

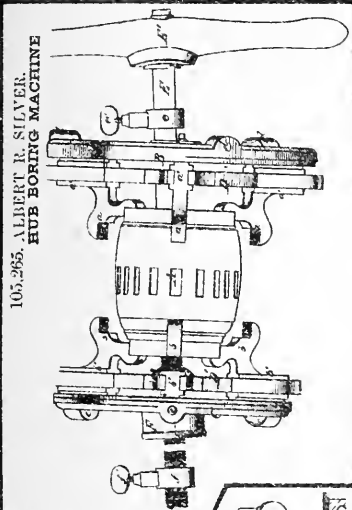
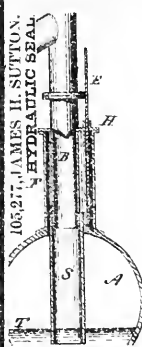
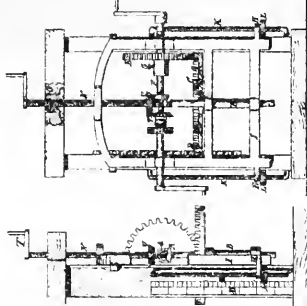
105,256, JAMES RYAN.  
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105,261, SIMON W. SHALER. SAWS.

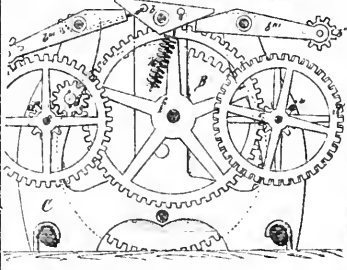
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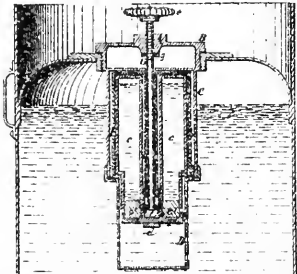
105,271, T. E. STANLEY. BORING-TOOL.



105,272, GEO. M. STERNBERG. ELECTRO-MAGNETIC APPARATUS FOR REGULATING VALVES AND DAMPERS.



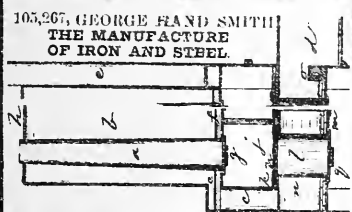
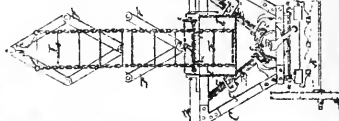
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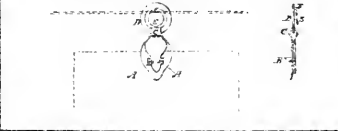
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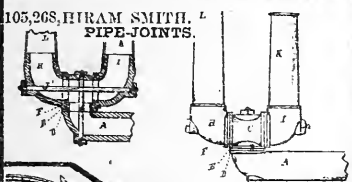
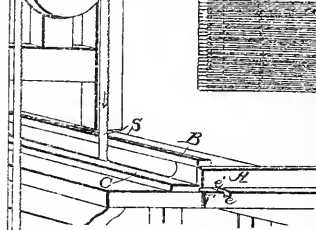
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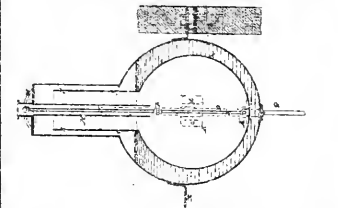
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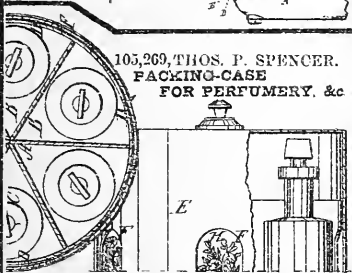
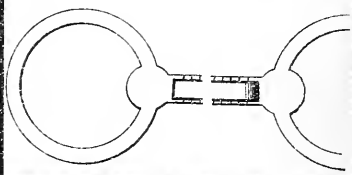
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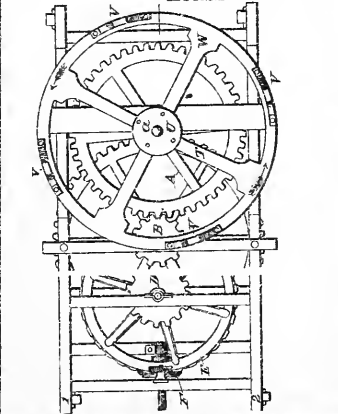
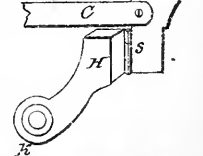
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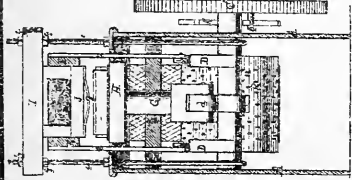
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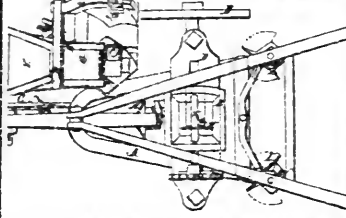
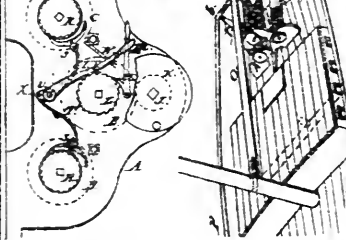
105,276, SOLOMON STONER. HORSE-POWERS.

105,283 EXUM <sup>his</sup> WHITLEY. <sup>mark.</sup> THE MANUFACTURE OF FERTILIZERS105,284, ORISON C. WHITNEY. <sup>(C)</sup> KNEE-LEVER FOR MELODEON OR ORGAN-SWELL

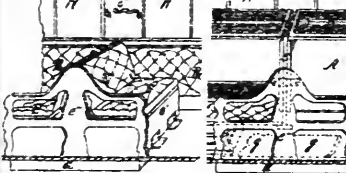
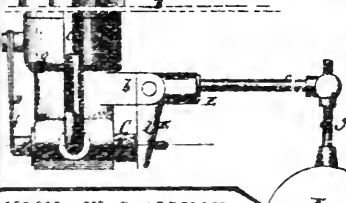
105,270, ANDREW J. SPRAGUE. BRICK-REPRESSING MACHINE.





105,285. CAMDEN L. WILCOX. COMBINED  
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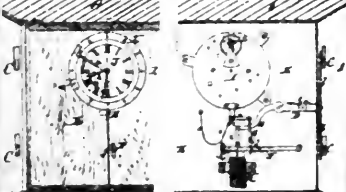
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105,289. WILLIAM WYATT. WATER-REGULATOR  
AND ALARM.

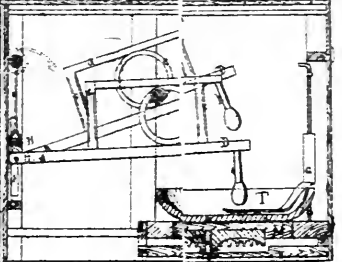
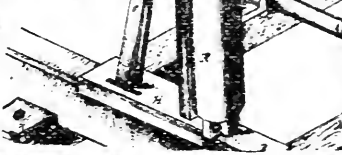
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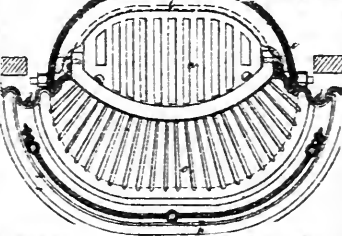
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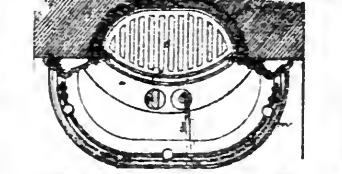
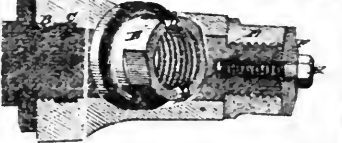
105,292. W. W. BALLARD. WOOD PAVEMENT.

105,293. JACOB H. SMITH. DOUGH-KNEADER.  
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105,295. SAMUEL S. BENT. GRATE-FENDER.

105,296. SAMUEL S. BENT. BACK FOR  
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105,297. SAMUEL S. BENT. FIRE-PLACE GRATE.

105,298. IRA BICKNELL. MODE OF SECURING  
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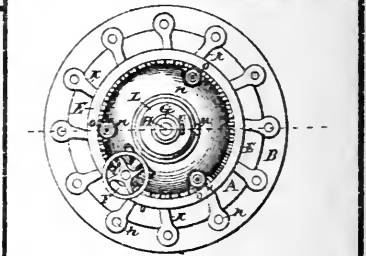
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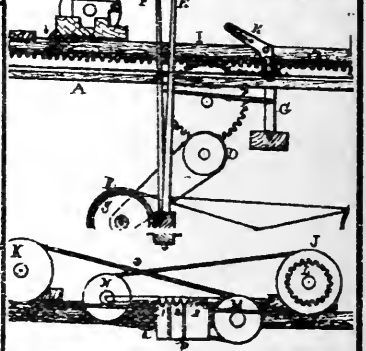
105,300. DAVID W. BOWDOIN. ELASTIC TRANSFER PRINTING.



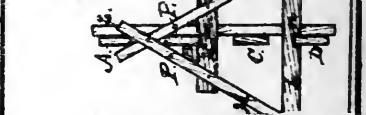
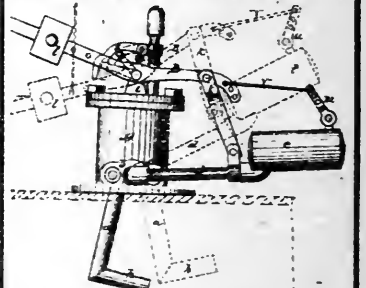
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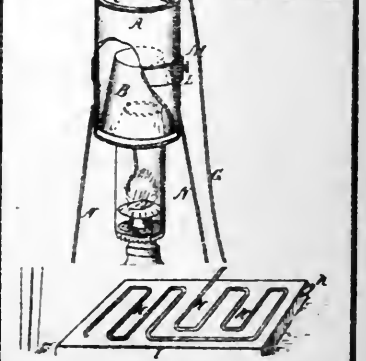
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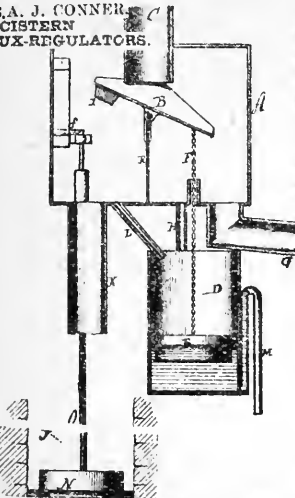
105,303. JOHN WESLEY CHERRY. FENCE.

105,304. ALFRED D. CLARK. AUTOMATIC FEEDER  
AND INDICATOR FOR STEAM-BOILERS.

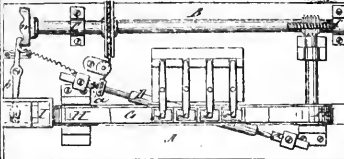
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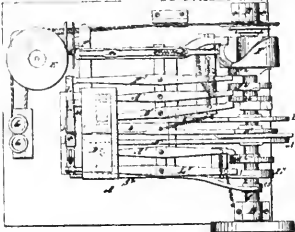
105,306, A. J. CONNER.  
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INFLUX-REGULATORS.



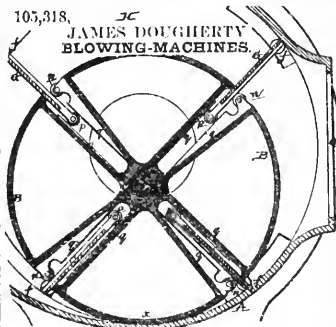
105,312, C. O. CROSBY. MACHINES FOR  
POLISHING NEEDLES.



105,313, C. O. CROSBY.  
MACHINES FOR PAPERING NEEDLES.



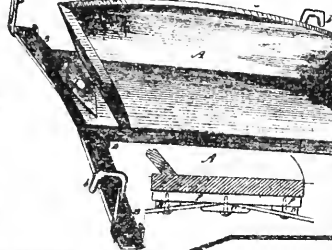
105,318, JAMES DOUGHERTY.  
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105,319, ALFRED DUVAL.  
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105,320, A. K. EATON.  
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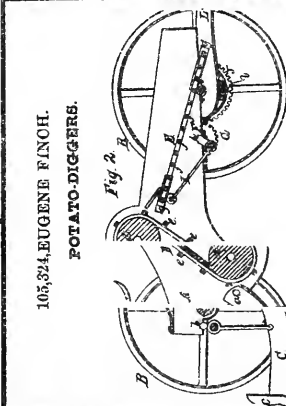
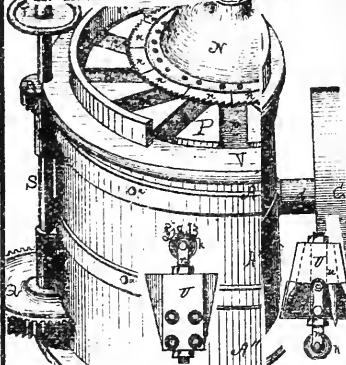
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H. H. ELWELL.  
105,322, KEYS.

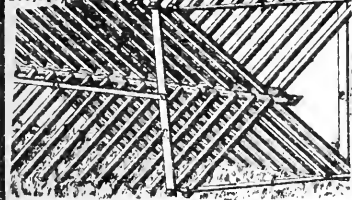


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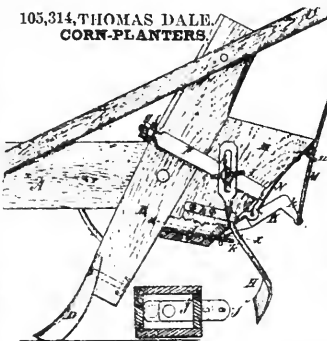


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POTATO-DIGGERS.

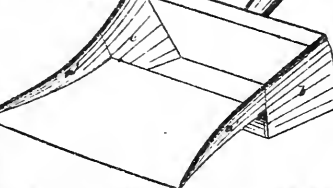
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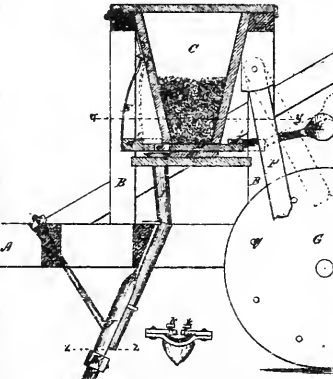
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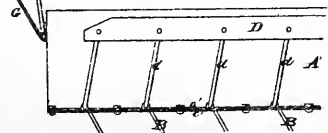
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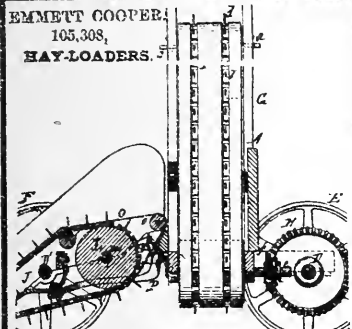
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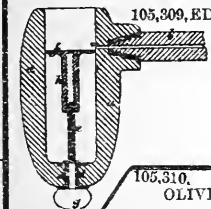
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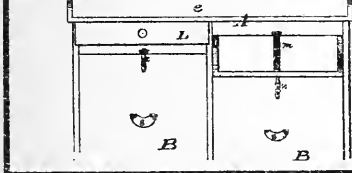
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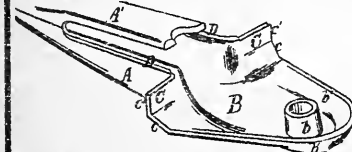
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SMOKING-PIPE.

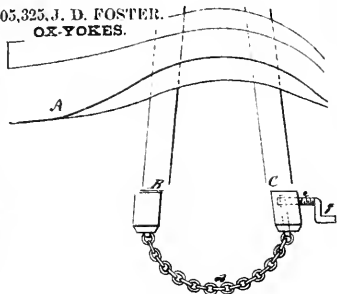
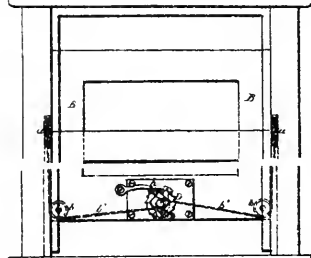
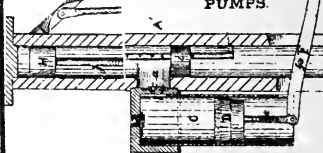
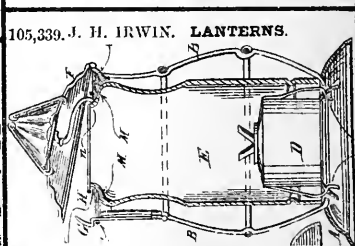


105,310, OLIVER R. COWGILL.  
RESERVATORY  
FOR GROCERIES, &c

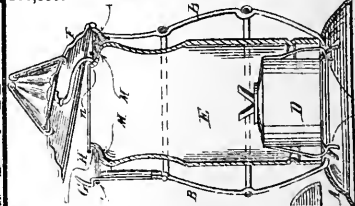
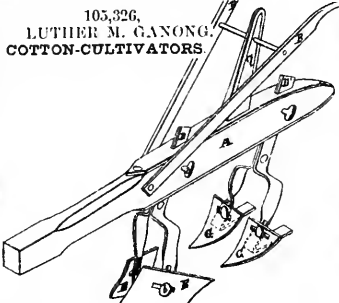
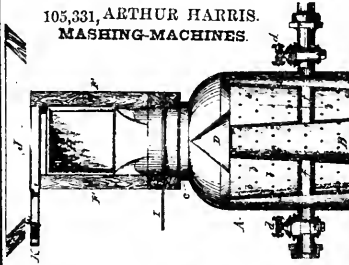
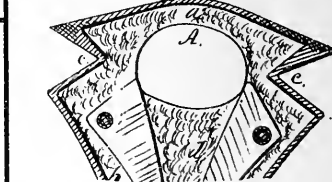
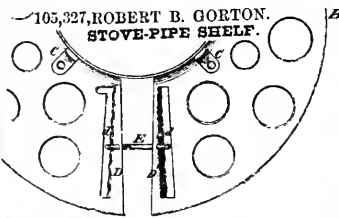
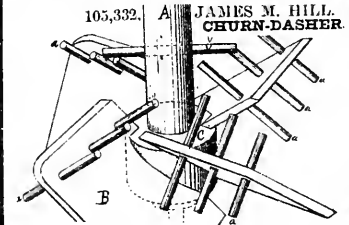
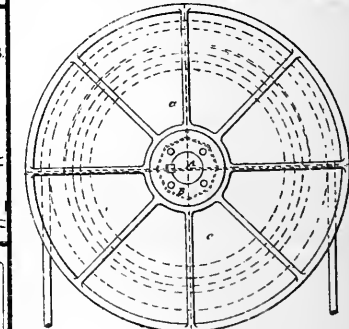
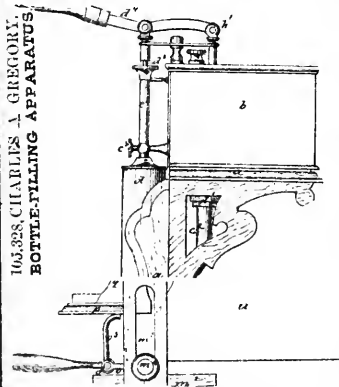
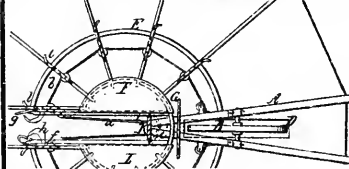
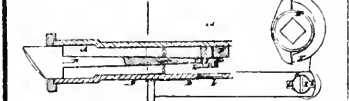
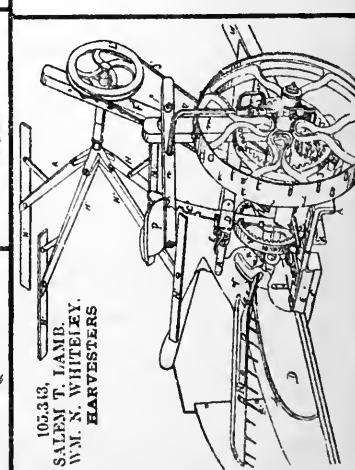
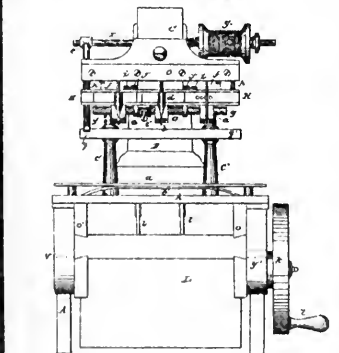
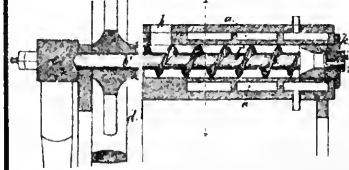


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GUARD-FINGERS FOR HARVESTERS.

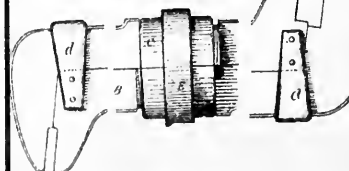
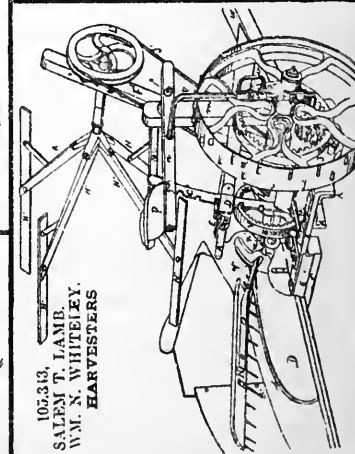


105,325, J. D. FOSTER.  
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105,339, J. H. IRWIN. LANTERNS.

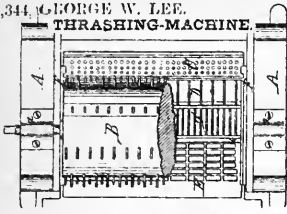
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105,336, JAMES J. HULL. WRENCHES.

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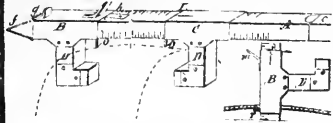
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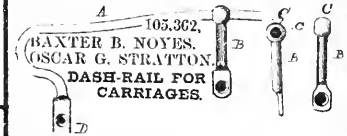
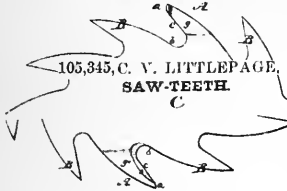
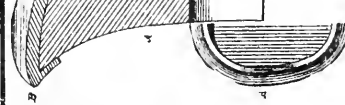


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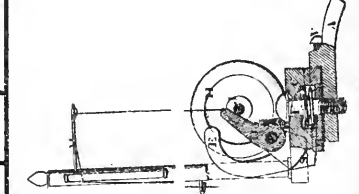
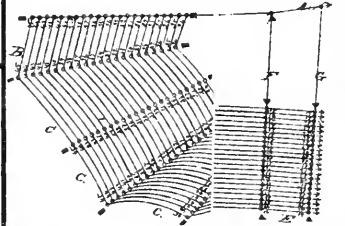
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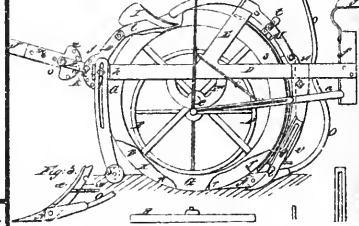
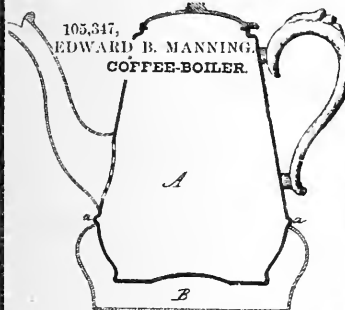
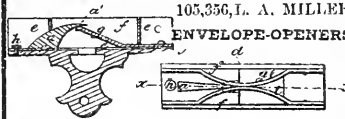
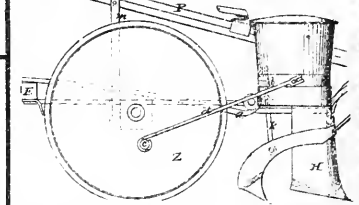
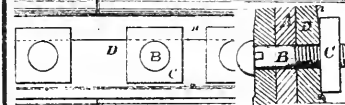
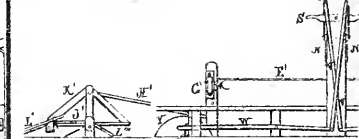
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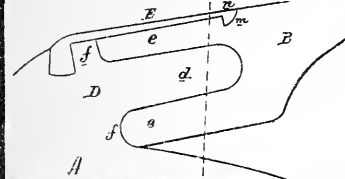
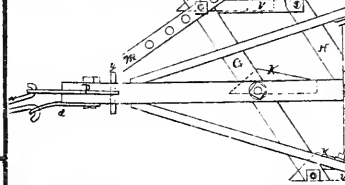
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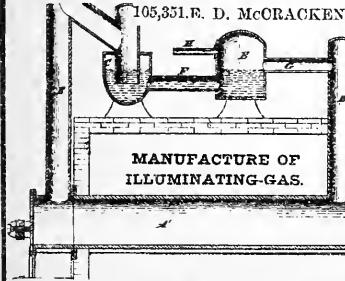
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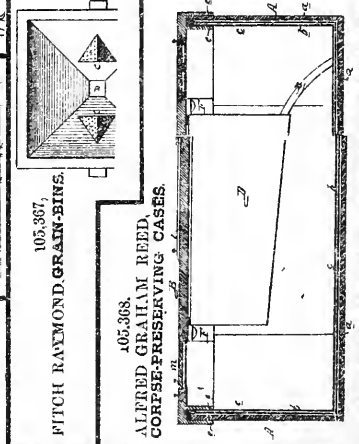
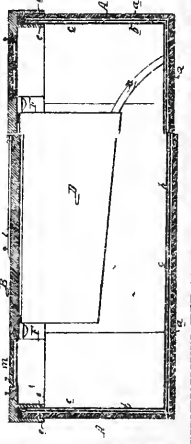
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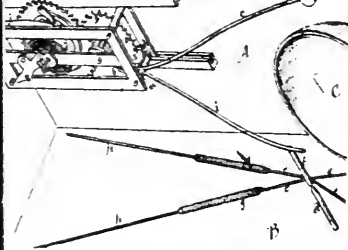
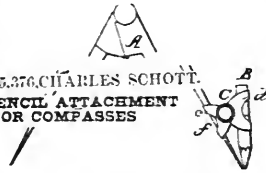
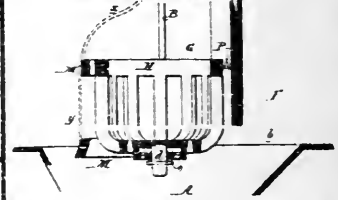
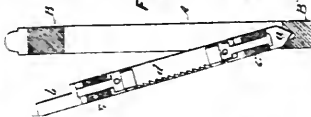
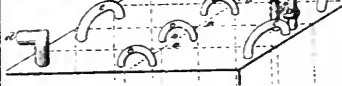


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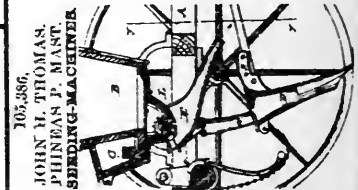
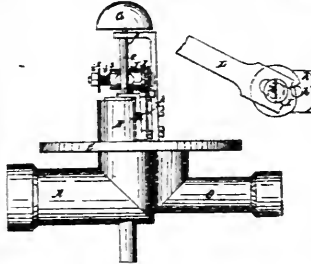
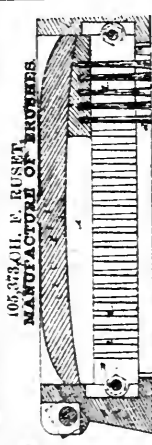
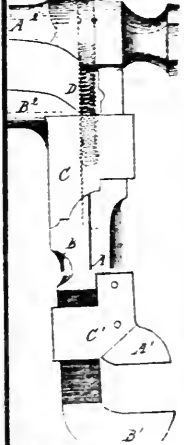
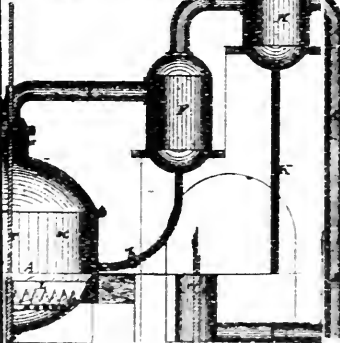
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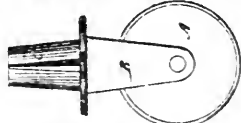
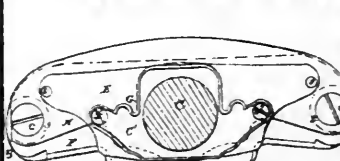
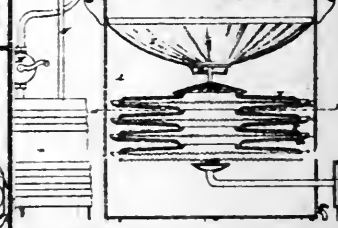
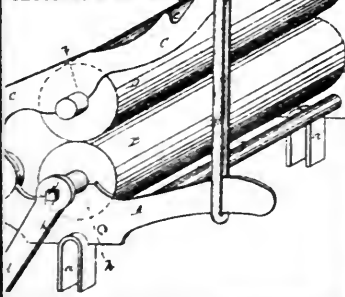
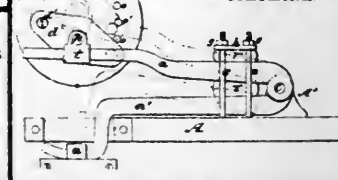
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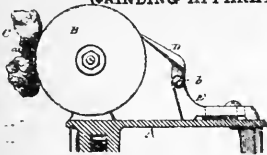
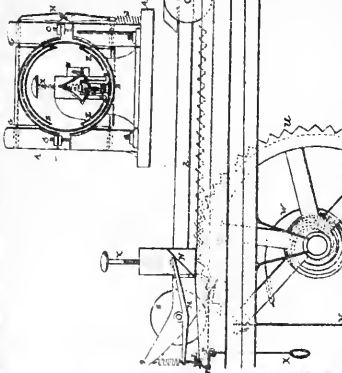
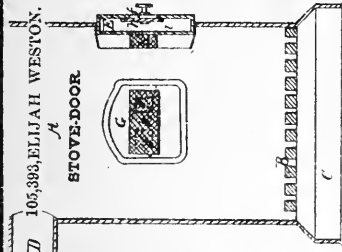
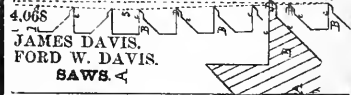
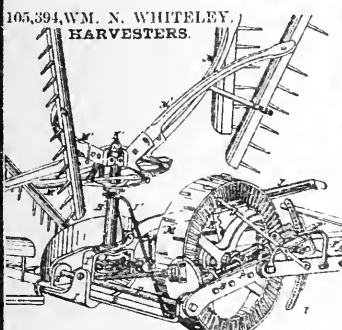
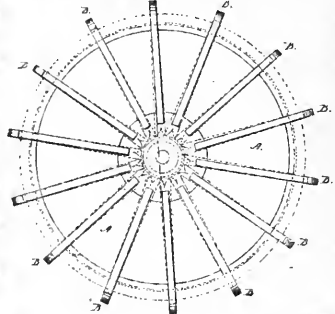
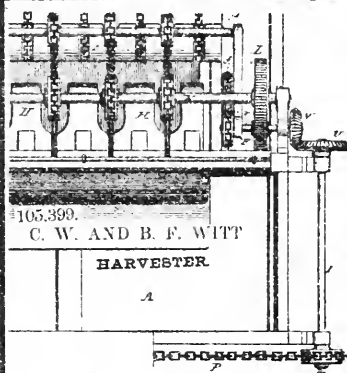
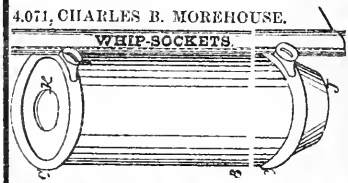
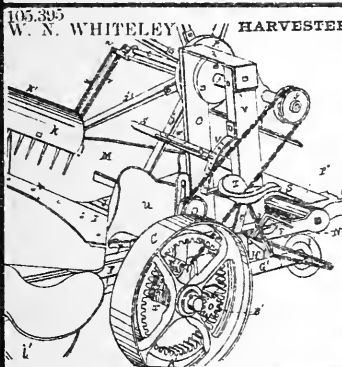
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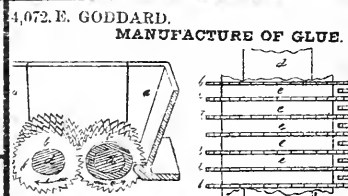
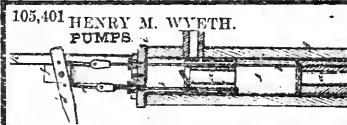
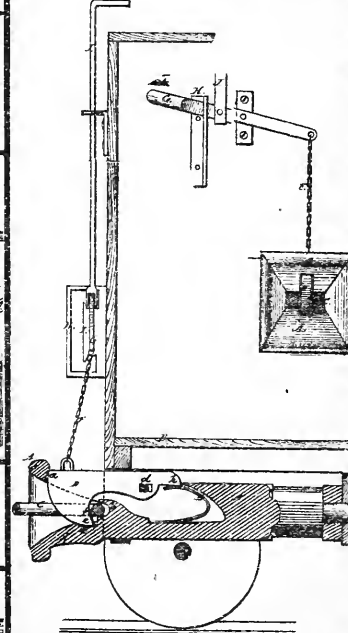
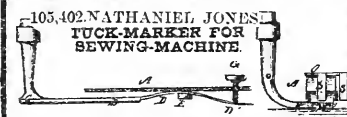
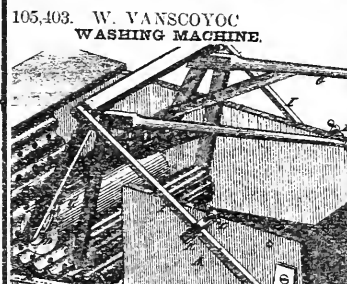
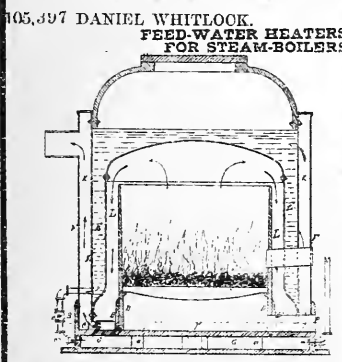
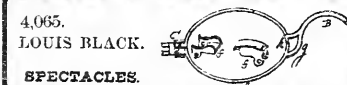
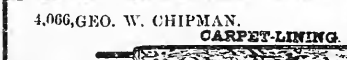
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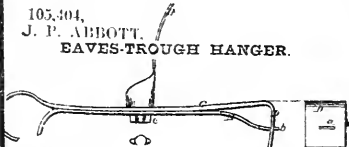
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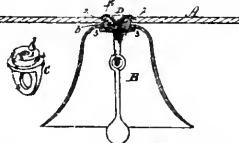
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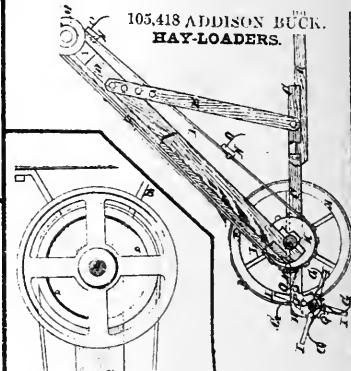
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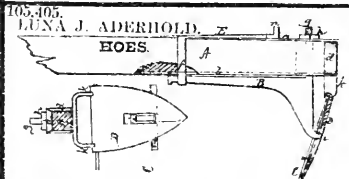
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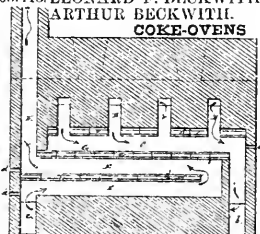
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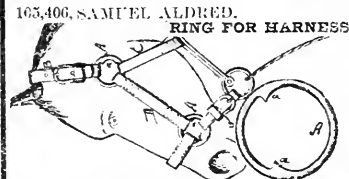
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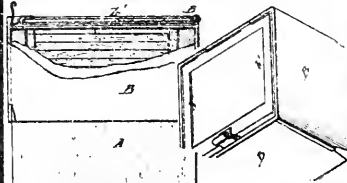
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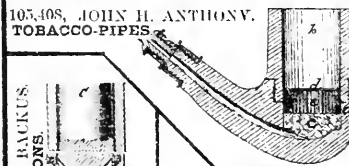
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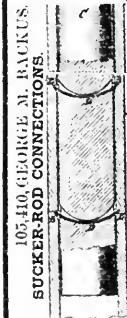
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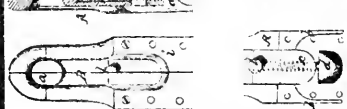
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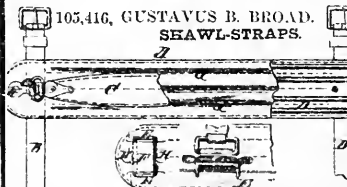
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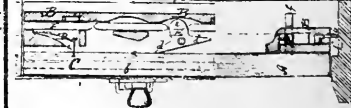
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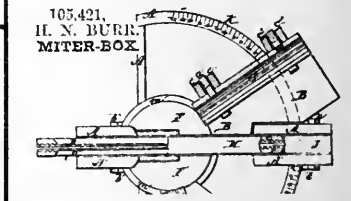
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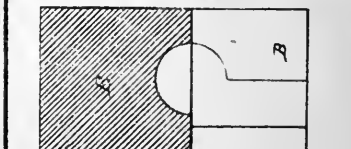
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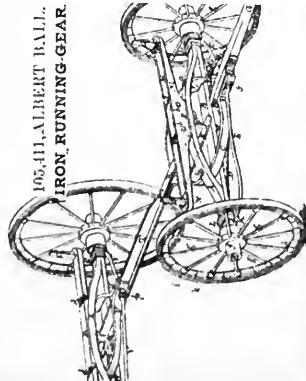
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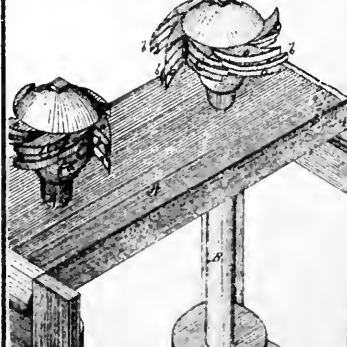
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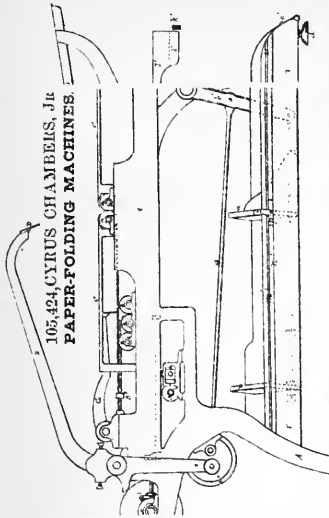


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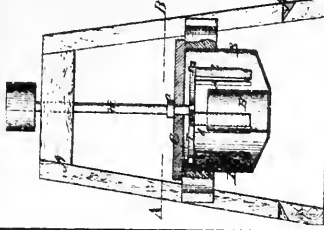


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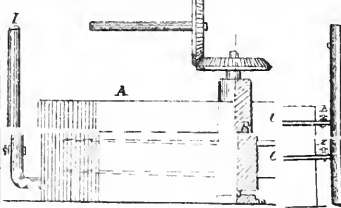
EDEN M. COOMBS.

HOMINY-MILLS.



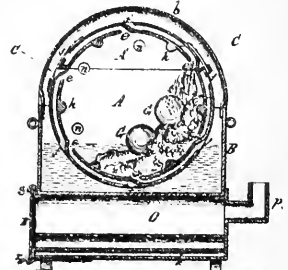
105,431, JAMES CUDDY.

THE MANUFACTURE OF WHITE LEAD.



105,439, SAMUEL DE VEAU.

WASHING-MACHINE.

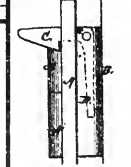


105,440, MOSES W. DILLINGHAM.

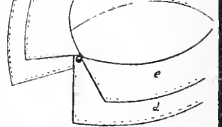
PENCIL-SHARPENERS.



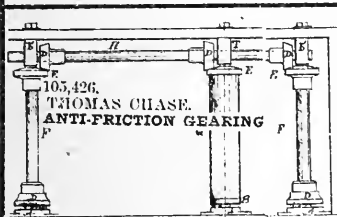
105,441, ADOLF ECCARD.

HINGES  
FOR BLINDS.

105,442.

H. GODFREY EMERY.  
M. C. FULLER.  
COLLARS.

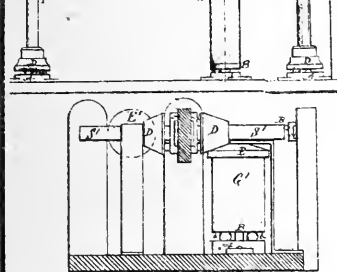
105,425, H. A. CHASE.

MEDICAL COMPOUND  
FOR TREATING RHEUMATISM &c.

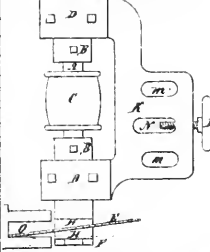
105,426.

THOMAS CHASE.

ANTI-FRICTION GEARING.

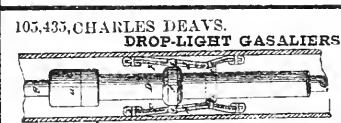


105,432.

JOHN J. CURNAN.  
TENONING-MACHINE.105,433, CHARLES R. S. CUMIS.  
NEEDLE FOR SEWING-MACHINE.

105,434, HORACE L. DAVIS.

ROOFING-COMPOSITION.



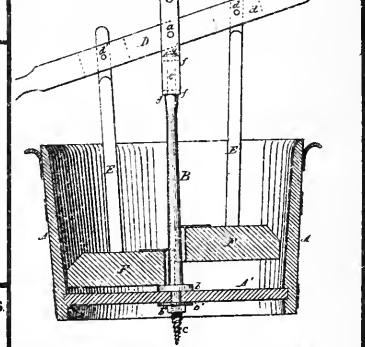
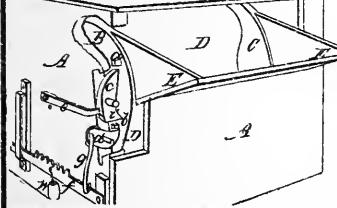
105,435, CHARLES DEAYS.

DROP-LIGHT GASALIERS.



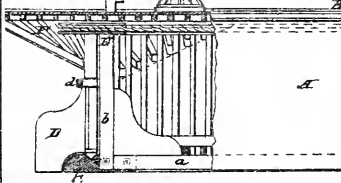
105,444, MARTIN P. FLANDERS.

WASHING-MACHINE.

105,427, FRANCIS G. CHESMAN.  
GRAIN-METERS.

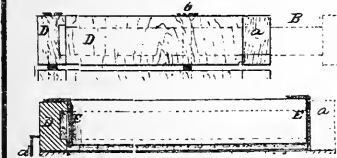
105,436, DAVID DE HAVEN.

STEERING APPARATUS.



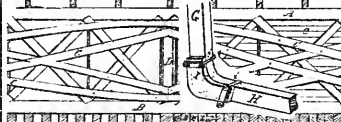
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PACKING TOBACCO-BOX.



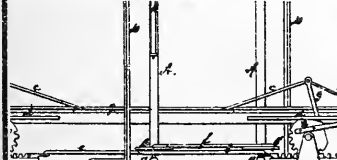
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DAVID DE HAVEN. HULLS OF VESSELS.

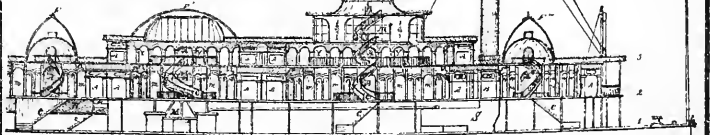


105,429, JOHN H. CLARK.

GATES FOR RAILWAY CROSSINGS.

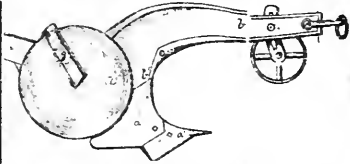
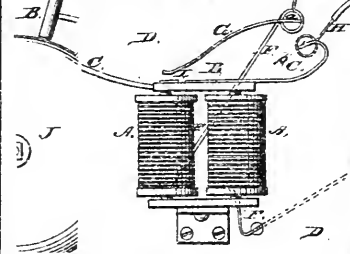
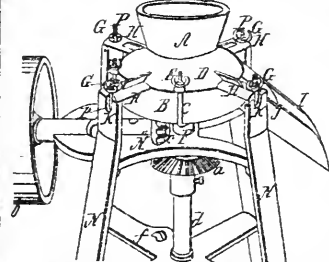


105,438, DAVID DE HAVEN.

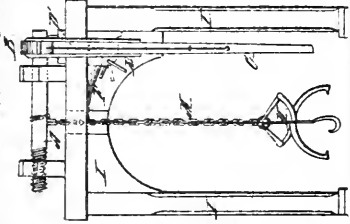
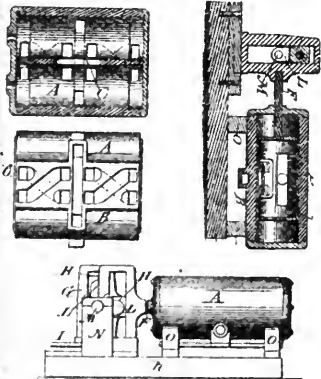
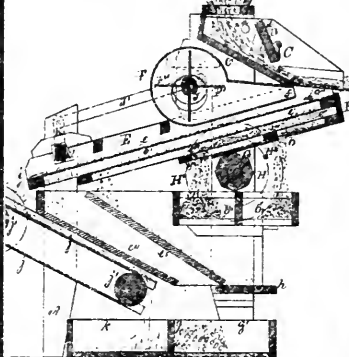
ARRANGEMENT OF UPPER WORKS  
IN RIVER STEAMERS.

105,445, WALTER C. GIFFORD.  
SWINGING STANCHIONS.

105,446, JOSEPH S. GODFREY. PLOWS.

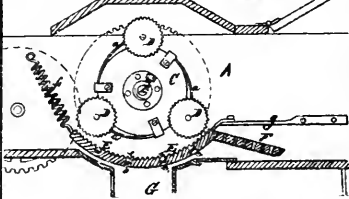
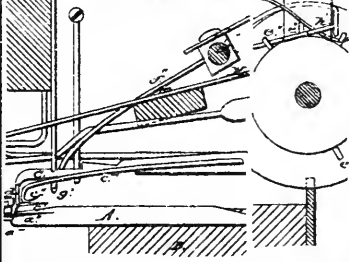
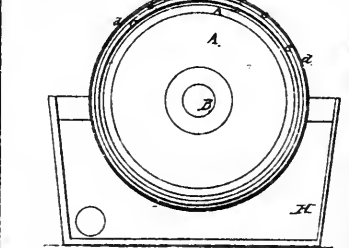
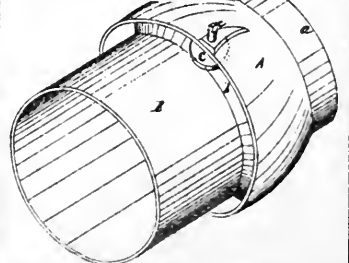
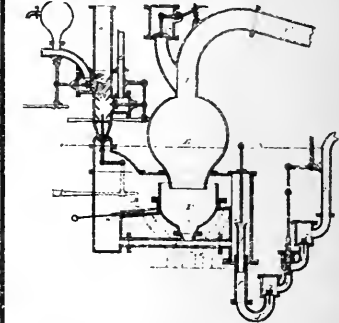
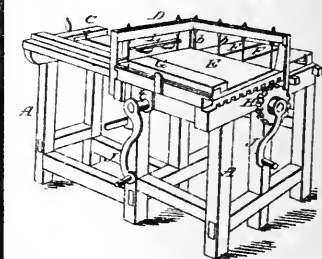
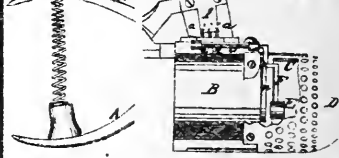
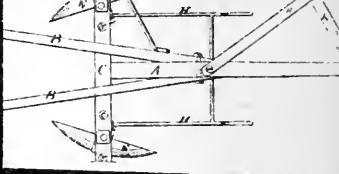
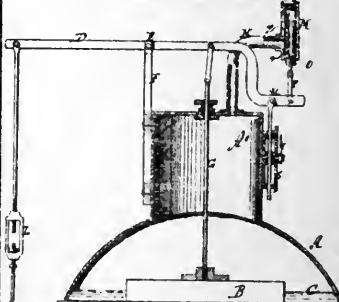
105,447, THOMAS S. HALL.  
ELECTRO-MAGNETIC ALARMS.105,448, DANIEL HALLADAY.  
GRINDING-MILLS.

105,449, DAVID D. HANSON. ELEVATOR.

105,450, JAMES HARRIS.  
HYDRAULIC MOTORS.105,451, REASON HAWKINS.  
GRAIN AND  
SEED-SEPARATORS.

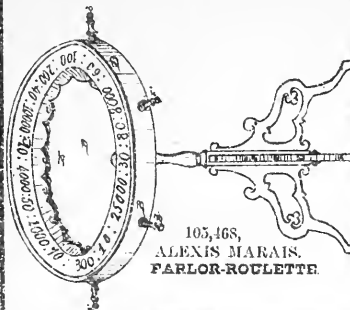
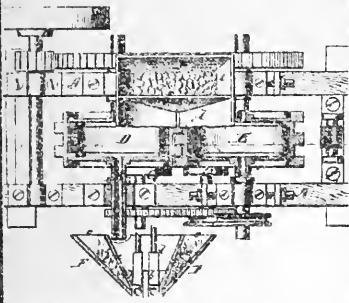
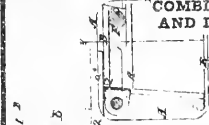
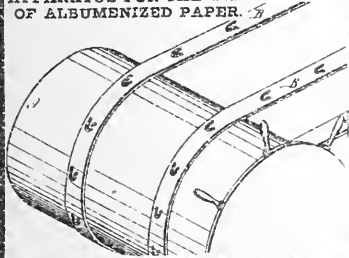
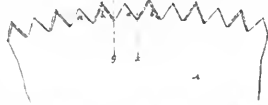
105,452, ARTHUR P. HAZARD

SHOEMAKERS' EDGE-PLANE.

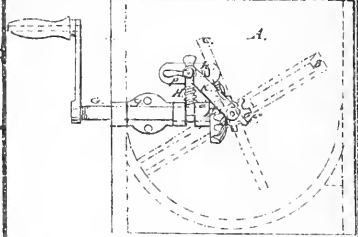
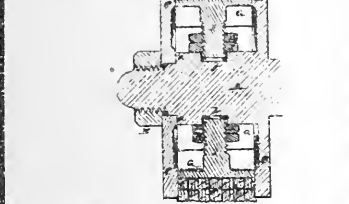
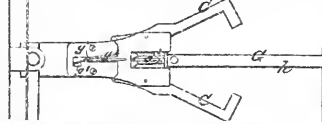
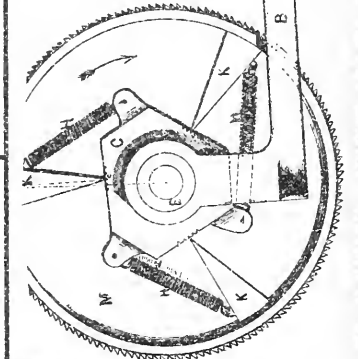
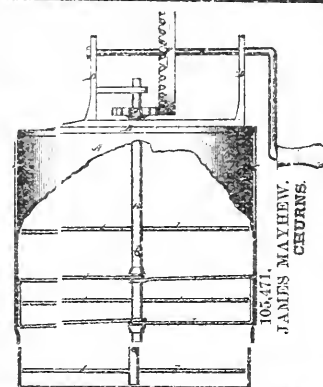
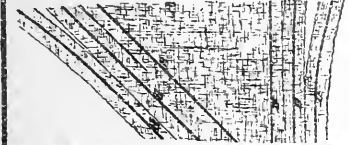
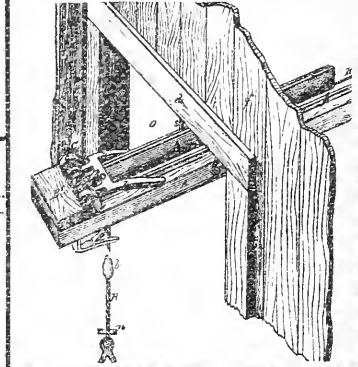
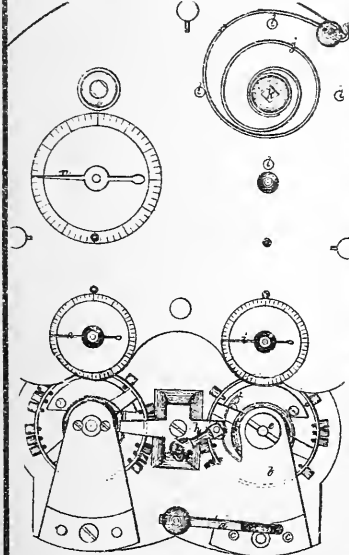
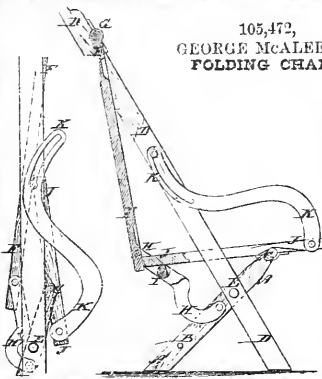
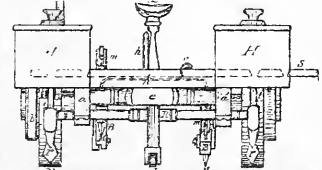
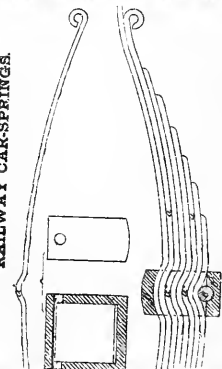
105,453, BENJAMIN HOCKABOAT  
WASHING-MACHINE.105,454, JOSEPH HOLLEN.  
JERSEY KNITTING-MACHINES.105,455, JOHN HOLT.  
PRESS-DYEING.105,456, RICHARD HOSKIN.  
PIPE-COUPINGS.105,457, JOHN HOULT.  
CONDENSER FOR MARINE ENGINES.105,458, WILLIS HUMISTON.  
HORACE N. HUMISTON.  
SOAP-CUTTING MACHINE.105,459, ISAAC HYDE.  
ALARM TICKET-NIPPERS FOR COUPON  
TICKETS.105,460, MOSES JOHNSON.  
CULTIVATOR.105,461, G. N. JONES. HIGH AND  
LOW-WATER ALARM.

105,462, LEOPOLD KATZENSTEIN. PACKING.

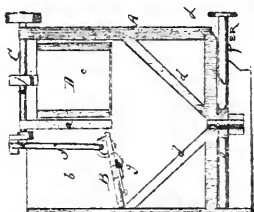
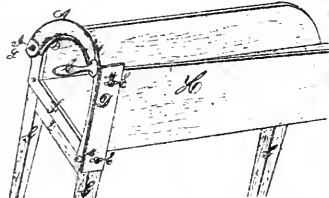
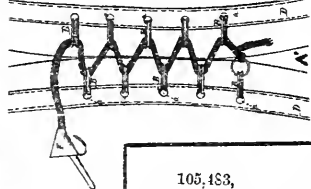
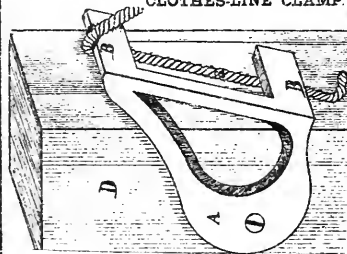
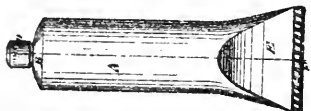
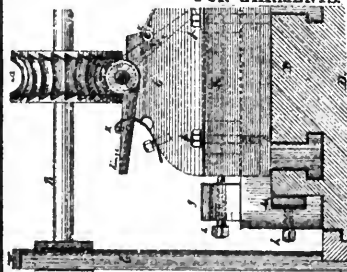
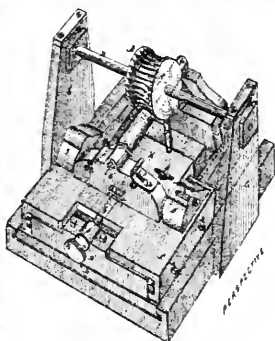
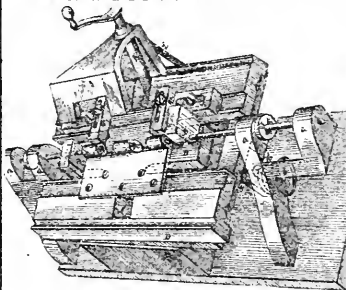
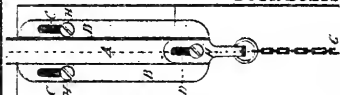
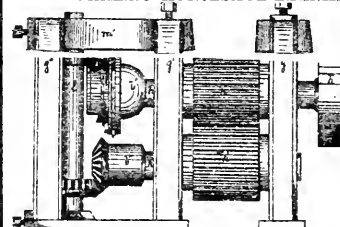
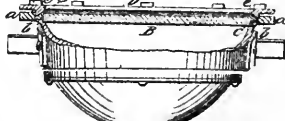
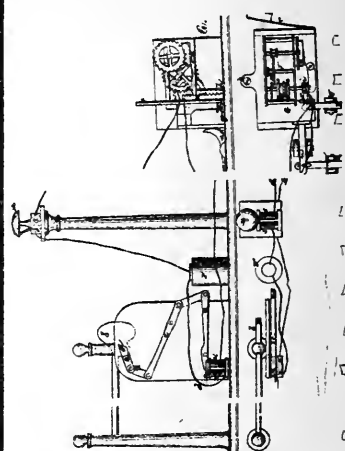
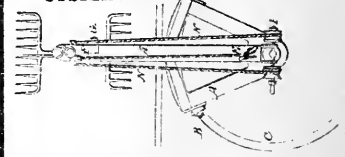
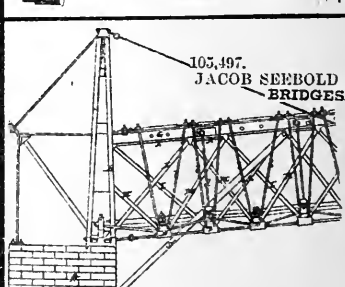
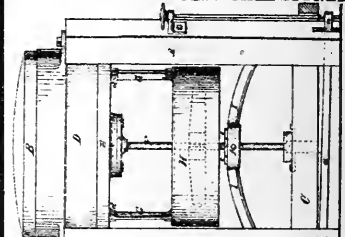
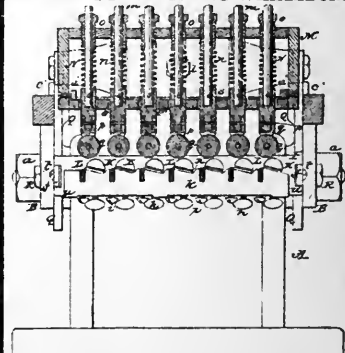


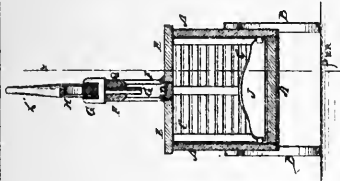
105,463, KARL M. KLEES. MACHINES  
FOR MAKING PRINTERS' LEADS.105,468,  
ALEXIS MARAIS.  
PARLOR-ROULETTE.105,471, BRYANT H. MELENDY.  
COMBINED KEY-RING  
AND DOOR-FASTENER.105,464, JAKOB KLEIN.  
APPARATUS FOR THE MANUFACTURE  
OF ALBUMENIZED PAPER.105,465, GEORGE W. MARBLE.  
SAW FOR MAKING STUFFING FOR  
UPHOLSTERING.

105,475, J. P. MERANDA. CHURNS.

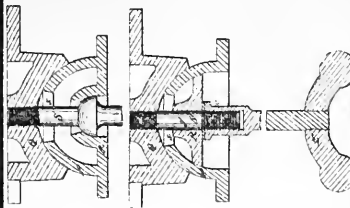
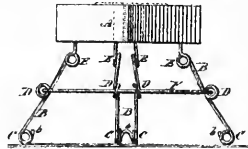
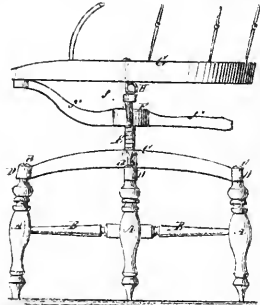
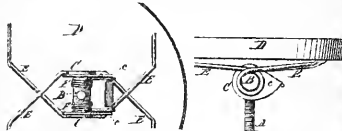
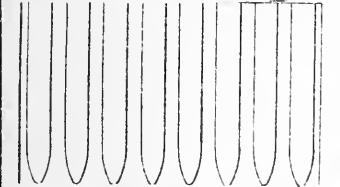
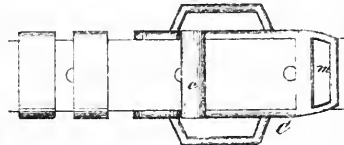
105,465, LUCIUS J. KNOWLES.  
PISTON FOR STEAM-PUMPS.105,470, CHARLES MARKLEY.  
CAR-COUPPLINGS.105,476,  
JOSEPH B. MERRITT.  
WHEEL-FEEDS.105,466, LUCIUS J. KNOWLES.  
PISTON-PACKING.105,471,  
JAMES MAYHEW.  
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HAY-ELEVATOR AND CONVEYER.105,467, JOHN LOGAN. HAIR-SPRING-  
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GEORGE McALEER.  
FOLDING CHAIR.105,473, JOSEPH A. McCLURE.  
CORN-PLANTER.105,478,  
JOSEPH MITCHELL.  
RAILWAY CAR-SPRINGS.



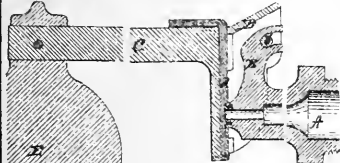
105,479, ADOLPHE MOT.  
MAKING BUTTER105,480, D. NEVIN.  
ORE SEPARATOR.105,481, HARRISON OGBORN.  
STRAW-CUTTER105,482, JULIUS E. OTTO.  
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THOS. W. OWENS  
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VARIOUS ARTICLES OF FOOD.105,485, H. L. PALMER.  
PRESERVING VEGETABLE EXTRACTS.105,486, MOSES PALMER, JR.  
E. W. ANDERSON.  
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FOR GARMENTS.105,487, EMERY PARKER.  
MACHINE FOR MILLING THE  
KNUCKLES OF BUTT-HINGES105,488, EMERY PARKER.  
MACHINE FOR CENTERING BUTTS.105,489, RUSSEL B. PRINDLE.  
DOOR-BOLTS.105,490, ABRAM REESE. MACHINE FOR  
JACOB REESE  
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HEAD FOR CAR COUPLINGS.105,492, EDW. S. RITCHIE.  
MARINE COMPASSES.105,493, WM. ROBINSON.  
ELECTRO-MAGNETIC GATE AND  
SIGNAL APPARATUS FOR RAILROADS.105,494, WM. ROBINSON.  
ELECTRO-MAGNETIC GATE-  
OPERATING APPARATUS105,495,  
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OYSTER-TONGS.105,496, CHARLES SCHNEIDER.  
HANGING MILL-STONES.105,497,  
JACOB SEEBOLD  
BRIDGES105,498, J. A. SEVEY.  
MACHINE FOR SPLITTING WHALEBONE105,499, EDWIN B. S. SHOEMAKER.  
THE MANUFACTURE OF LUBRICATING  
COMPOUNDS

105,500, PETER B. SHOEMAKER.  
WASHING-MACHINE.

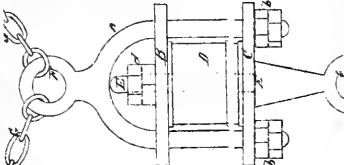
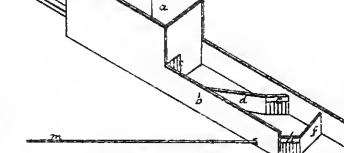
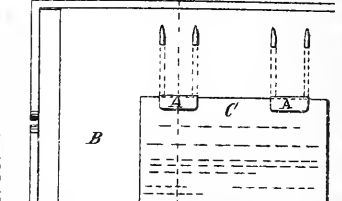
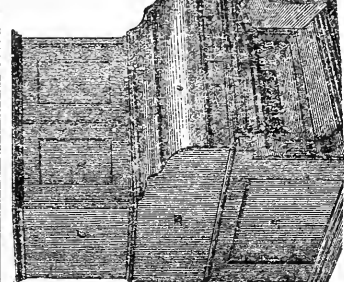
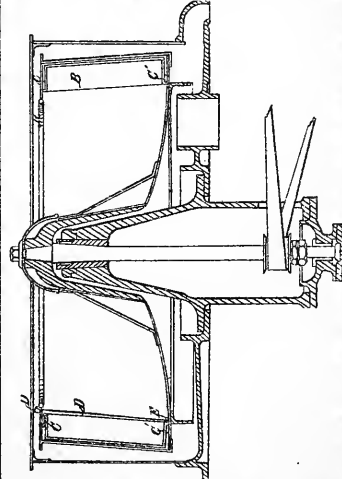
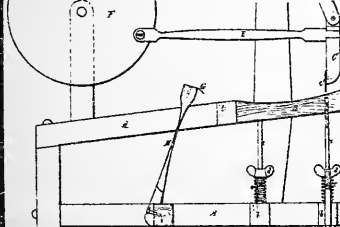
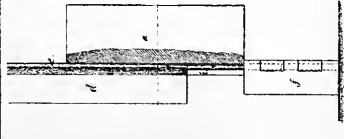
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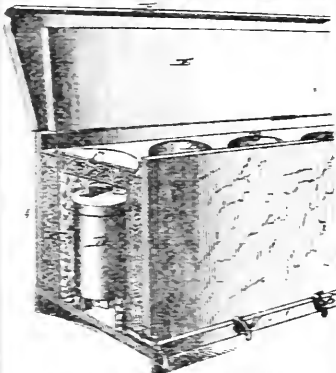
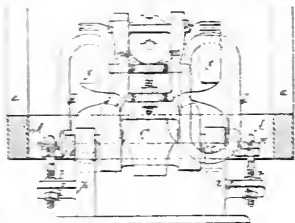
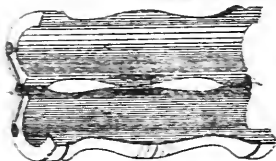
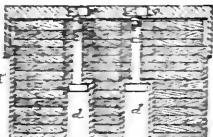
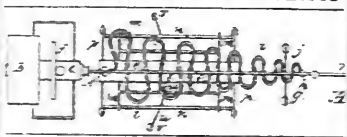
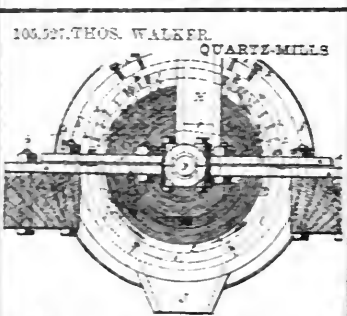
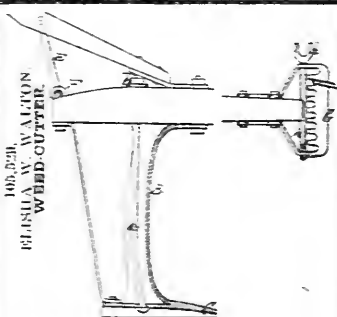
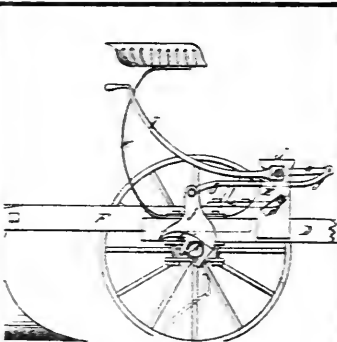
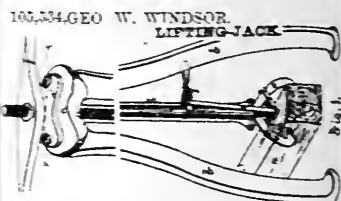
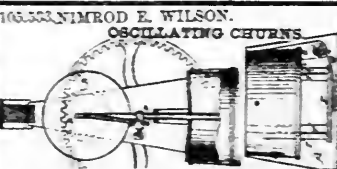
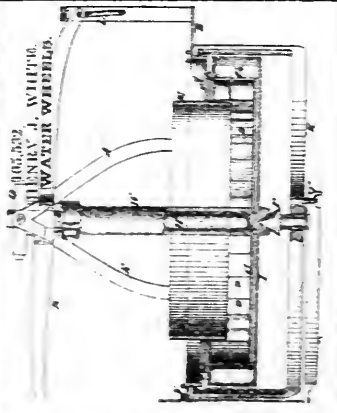
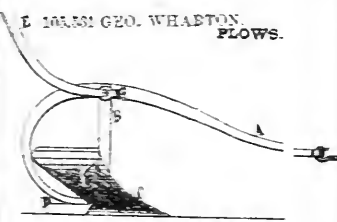
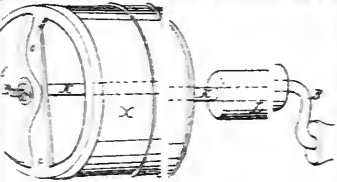
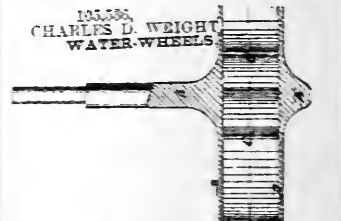
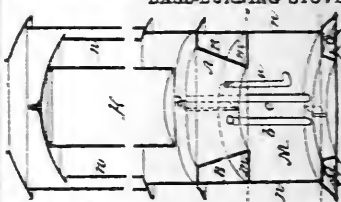
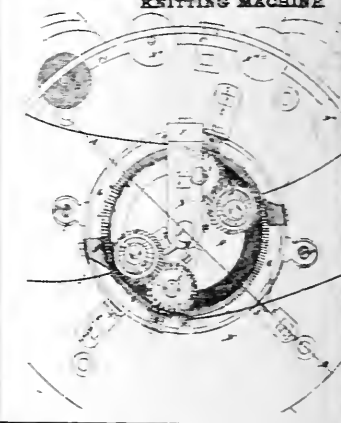
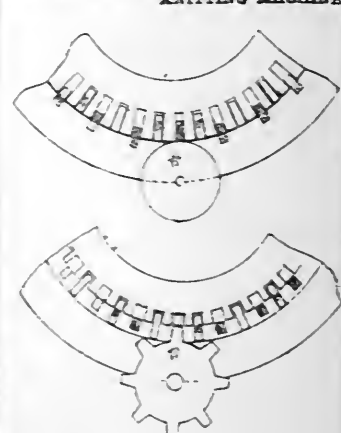
105,514, WILLIAM FRANCIS SWASEY.  
CONDIMENT OR RELISH.105,515, DANIEL E. TEAL.  
CONSTRUCTION OF CHAIRS.105,516, DANIEL E. TEAL.  
CONSTRUCTION OF CHAIRS.105,517, DANIEL E. TEAL.  
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JAIRES COLLINS.  
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CONCRETE PAVEMENT.105,509, CHARLES H. STEVENS  
TRACE-BUCKLES.

105,503, LEVI F. SMITH. GAUGE-COCKS.

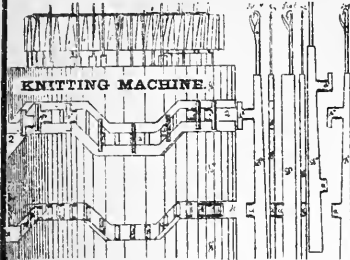
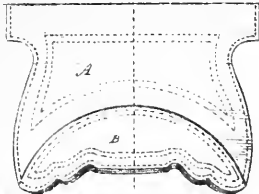
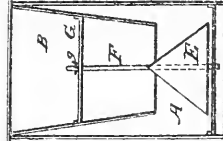
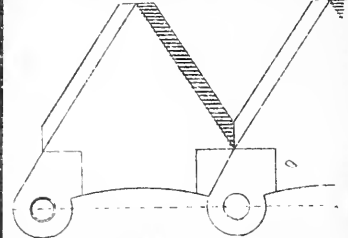
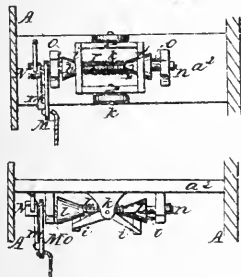
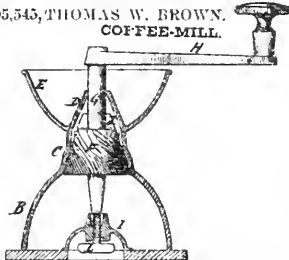
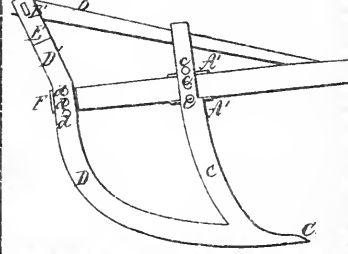


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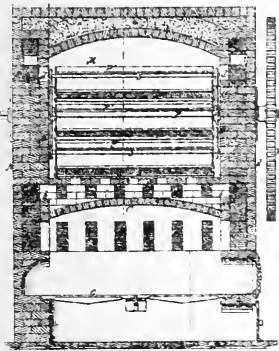
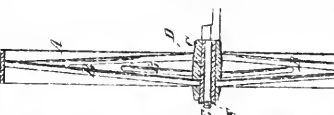
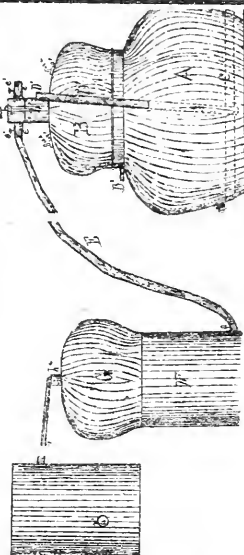
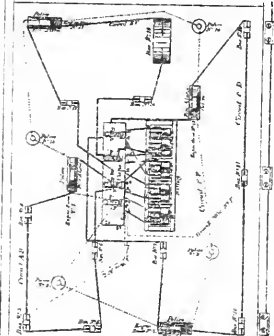
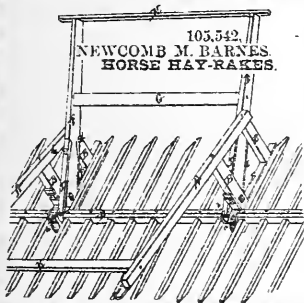
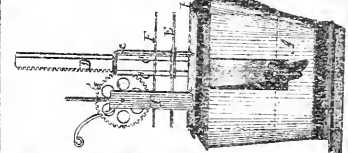
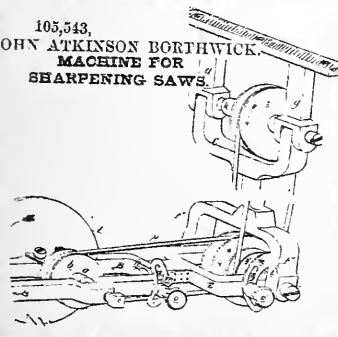
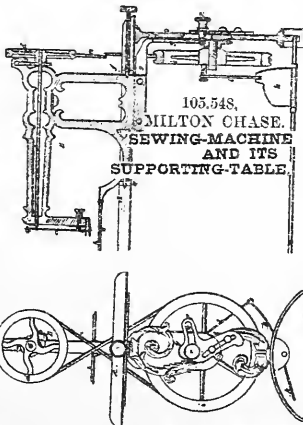
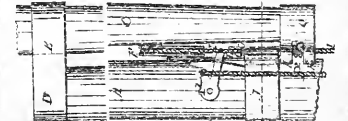
105,504, SAMUEL H. SMITH  
RAILWAY-RAIL CHAIRS.105,511, JOHN W. STOCKWELL.  
PREPARATION OF CEMENT FOR THE  
MANUFACTURE OF  
CEMENT PIPE.105,518, R. W. THING.  
GAUGE-PINS FOR TYMPAN-SHEETS105,519, S. LEE TIBBALS.  
DEVICE FOR CURLING HAIR.105,505,  
THOMAS G. STAGG.  
FOLDING CARRIAGE  
FOR CHILDREN.105,512, T. J. SULLIVAN  
SECRETARY-SAFE105,520, PATRICK TULLY.  
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AND MOLDING MACHINE.105,506, JAMES STARRATT.  
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105,521. CARL VIGNAT.  
ICE-CREAM REFRIGERATOR105,522. VICTOR VINCENT.  
PLATFORM-SCALES105,523. E. H. GUSTAV VON DOREM.  
FREDERICK P. L. NEMERS.  
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RICH. VONSE.  
CARTRIDGES.105,525. ALFRED WALKER. REGULATOR  
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FROM CURCULIO, &c.105,528. ELISHA W. WALTON.  
GANG-FLOWS105,530. A. WARNER.  
CORN-POPPERS AND COFFEE-ROASTERS105,533. GEORGE A. WING.  
BASE-BURNING STOVE105,537. W. H. ABEL.  
KNITTING MACHINE105,538. W. H. ABEL.  
KNITTING MACHINE

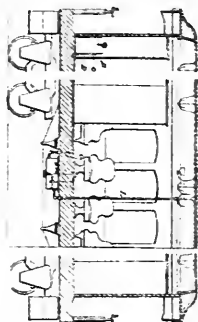
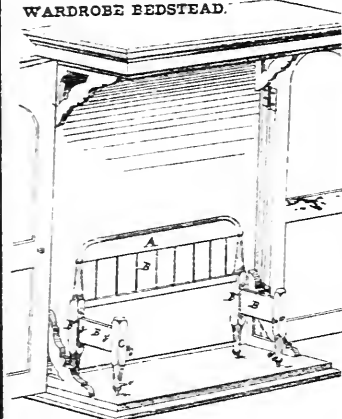
105,539. W. H. ABEL.

105,544. WILLIAM BOYD.  
WINKER FOR HARNESS-BRIDLES.105,549. E. H. CLARKSON.  
VALVE FOR WATER-BOILERS.105,550. J. M. CONNEL.  
HARVESTER-CUTTER.105,540. JAS. E. AUSTIN.  
SHINGLE-MACHINE.105,545. THOMAS W. BROWN.  
COFFEE-MILL.105,551. THOMAS L. COTTEN.  
SUBSOIL-PLOWS.

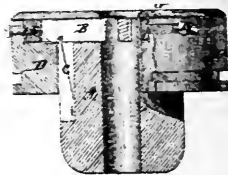
105,541. HOSEA BALL. OVEN.

105,546. SENECA B. BUCK.  
CARRIAGE-WHEEL.105,547. JAMES A. CAMPBELL.  
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HORSE HAY-RAKES.105,553. W. S. DEEDS.  
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AND CASTING METALS.105,543.  
JOHN ATKINSON BORTHWICK.  
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SHARPENING SAWS.105,548.  
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SUPPORTING-TABLE.105,554. EBEN DENTON.  
SHIPS' TOPMASTS.105,555.  
ANDREW J. DEXTER.  
BLACKSMITHS' TONGS.

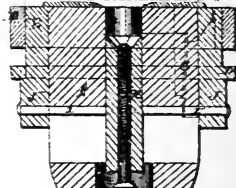
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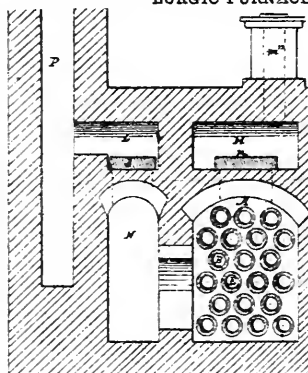
105,568, MAHLON HAMLIN.  
BOLT-THREADING MACHINE.



105,569, MAHLON HAMLIN.  
BOLT-THREADING MACHINE.



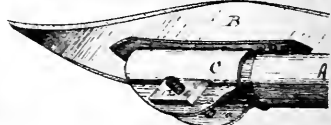
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APPARATUS FOR GENERATING AND  
BURNING GASES IN METAL-  
LURGIC FURNACES.



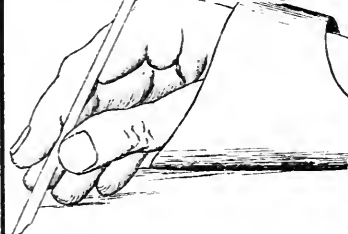
105,562, ALFRED FOUCAUT.  
ELECTRO-MAGNETIC ATTACHMENT  
TO SHIPS' COMPASSES.



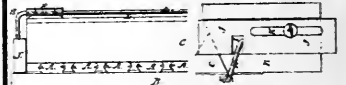
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SHOVEL-TEETH FOR CULTIVATORS.



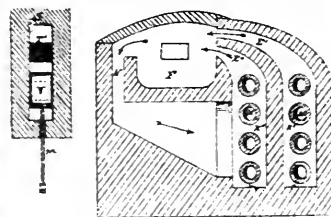
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BLOTTER-PADS.



105,571, ALBERT K. HEBARD.  
ORGAN-STOPS.

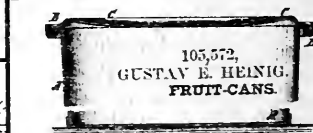


105,558, JOSIAH W. ELLS.  
GAS AND AIR-HEATING APPARATUS  
FOR METALLURGIC FURNACES



105,564, LEONARD GILSON.  
HAND-TRUCKS.

105,565, PARDON H. GRISWOLD.  
BARRELS.

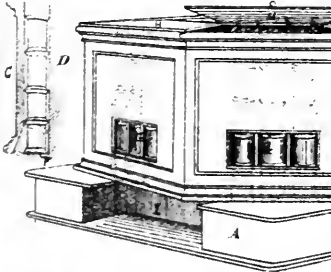


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FRUIT-CANS.

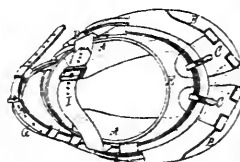
105,573, ENOS T. HIGHAM.  
SHADE-CORD RETAINER.



105,559, EREN B. FENTON.  
HENRY S. FENFIELD.  
SPOOL-STAND AND SHOW-CASE.



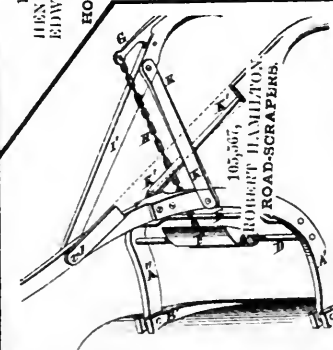
105,566,  
HENRY C. HAEDRICH,  
EDWARD M. HAEDRICH,  
COMBINED  
HORSESHOE AND BOOT



105,574, JOHN J. HULLMAN.  
WHIP-SOCKET RINGS.

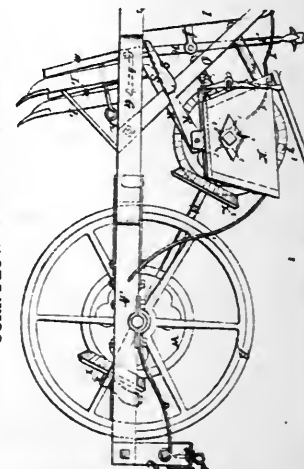
105,560, OSCAR S. FOLLETT.  
PRESERVING AND BEAUTIFYING  
CRYSTALLIZED SALTS UPON  
GLASS, MICA, &c

105,561, WM. FOSTER, JR.  
GEO. P. GANSTER.  
GAS APPARATUS FOR RAILROADS, &c.



105,567,  
ROBERT HAMILTON  
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105,575, CASWELL HOLLAR, COMBINED  
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105,576, HENRY M. JOHNSTON.  
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105,577, AMASA C. KASSON.  
BINDING AND HEMMING ATTACHMENT  
FOR SEWING-MACHINE.



105,578, ISAAC A. KEELER.  
HAND CORN-PLANTERS.

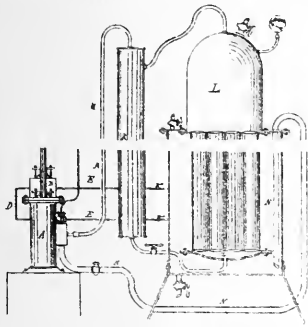


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ANIMAL FOKES



105,580,  
LESTER B. KENNEY.  
HORSE-COLLARS.

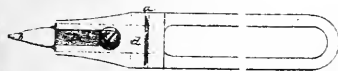
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AMMONIACAL-GAS ENGINES.



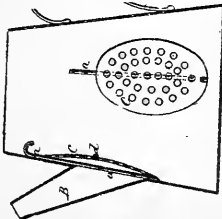
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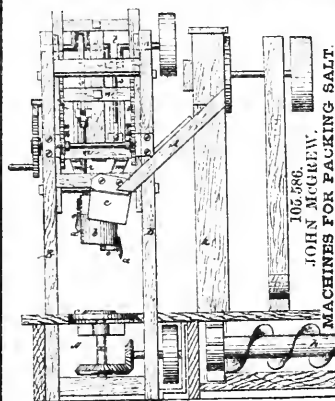
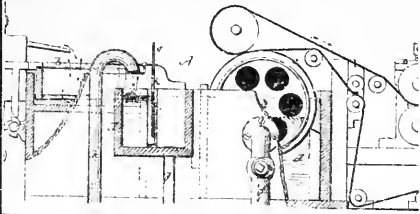
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CAN-OPENERS.



105,584,  
EDWARD B. MANNING.  
COFFEE OR TEA-POT.

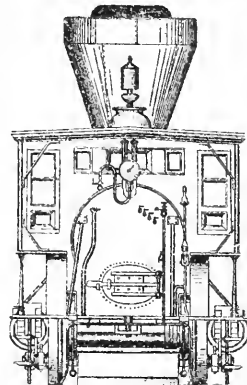


105,585, GEO. E. MARSHALL.  
PROCESS AND APPARATUS FOR THE  
MANUFACTURE OF PAPER



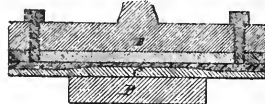
105,586,  
JOHN MCGURDY.  
MACHINES FOR PACKING SALT.

105,593 CARLOS ORTIZ.  
HILARIO VALLADARES.  
RAILWAY-RAIL CLEANERS.

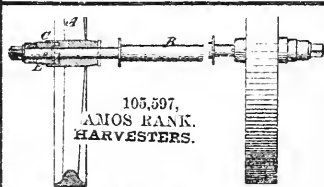


105,594, HENRY PEMBERTON.  
MANUFACTURE OF PAPER.

105,595, E. H. PLANT.  
DIES FOR TRIMMING AND  
STRAIGHTENING AXLE-CLIPS.



105,596, FRANCIS G. FOKORNY.  
PAINT FOR MARBLEIZING WOOD

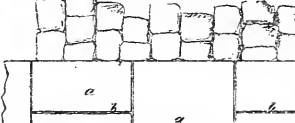


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HARVESTERS.

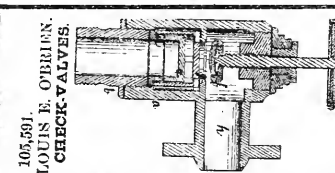
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LOCOMOTIVE WHEELS.



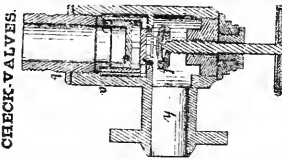
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CONCRETE PAVEMENT.



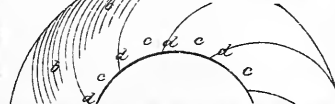
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TREATING OIL-WELLS TO REMOVE  
OBSTRUCTIONS TO THE FLOW OF OIL.



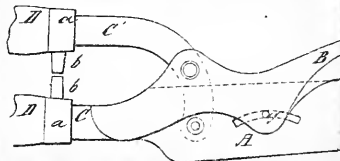
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LOUIS B. O'BRIEN.  
CHECK-VALVES.



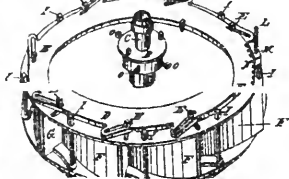
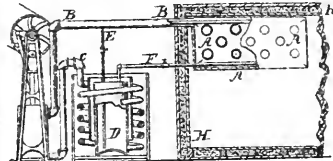
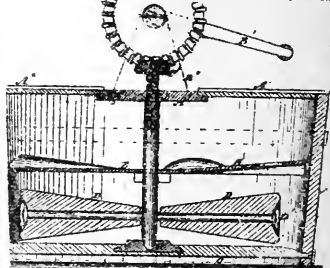
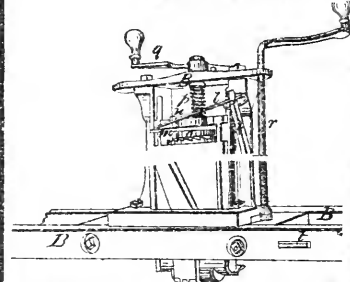
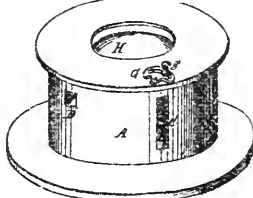
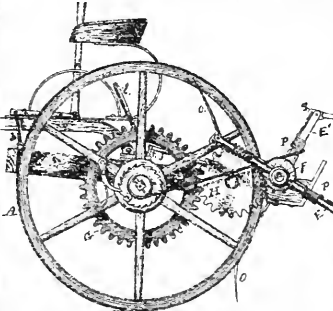
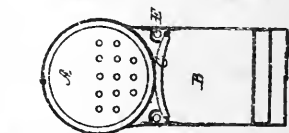
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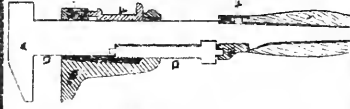
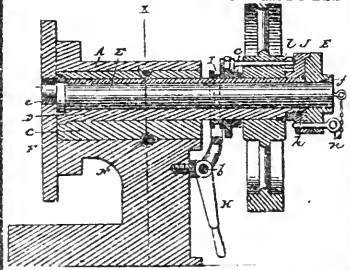
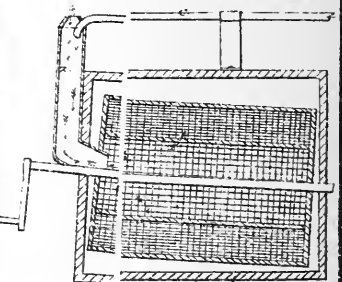
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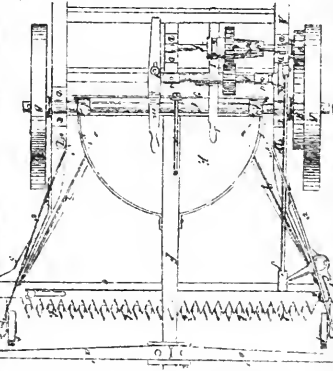
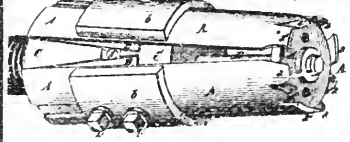
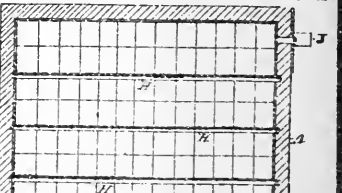
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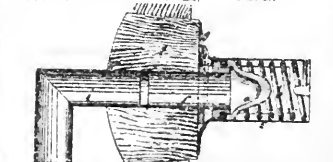
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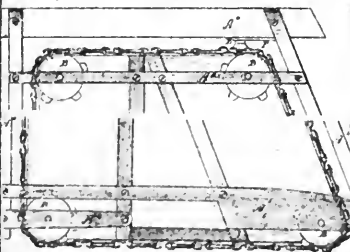
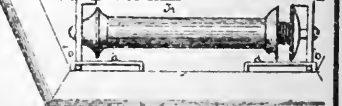
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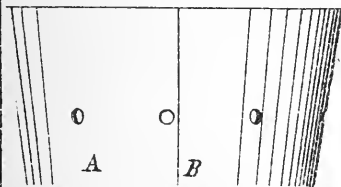
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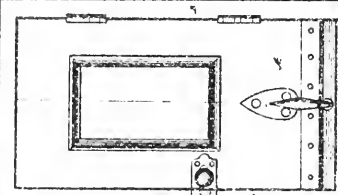
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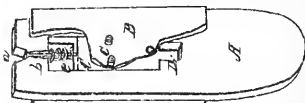
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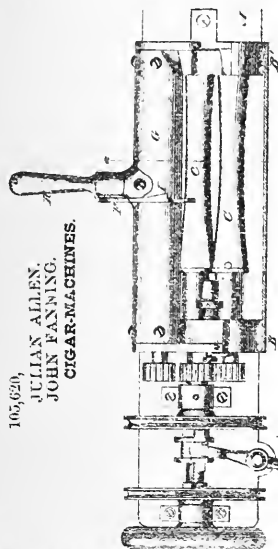
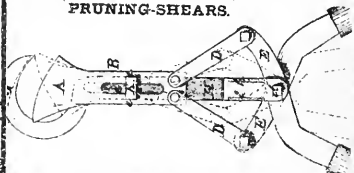
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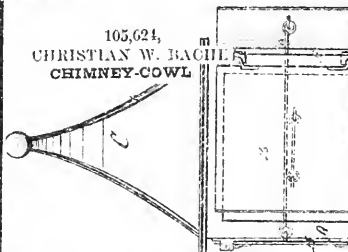


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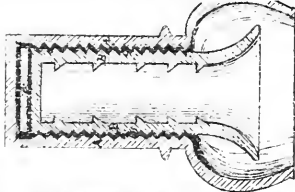


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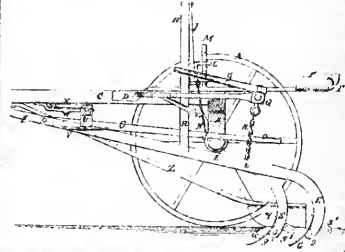
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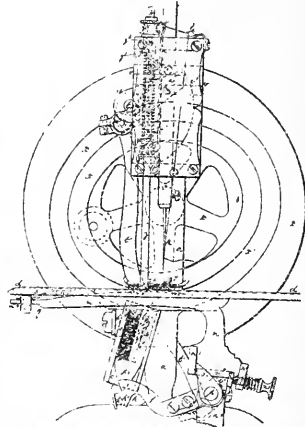
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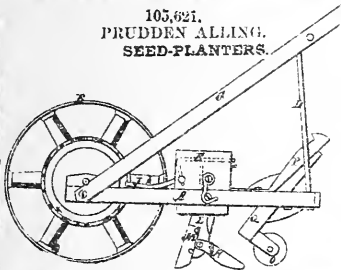
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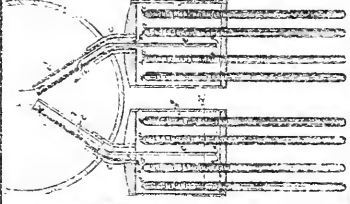
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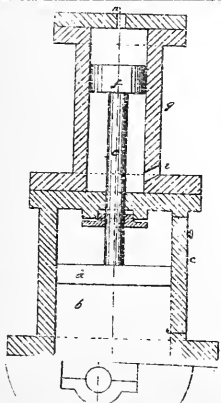
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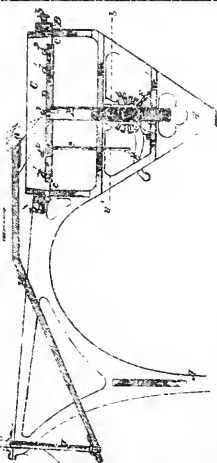
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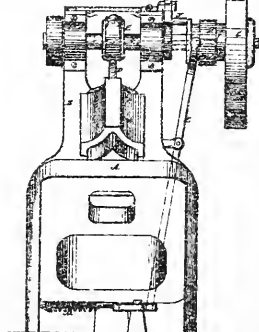
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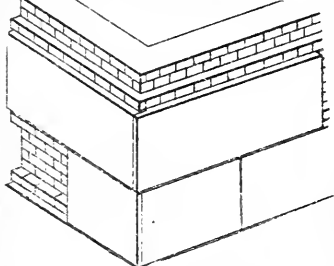
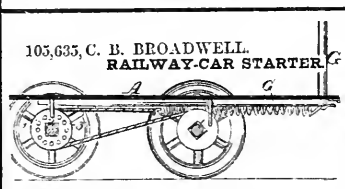
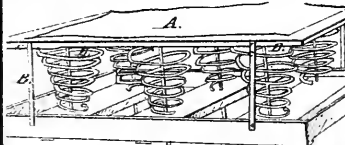
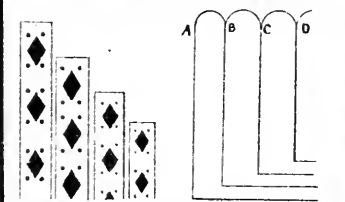
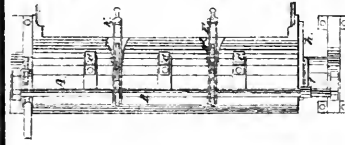
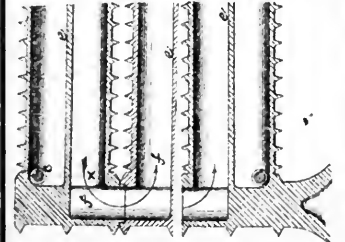
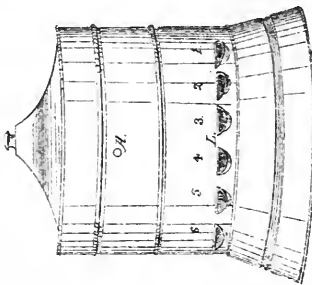
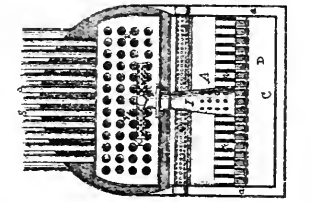
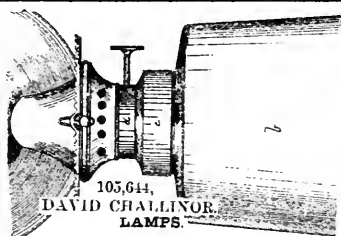
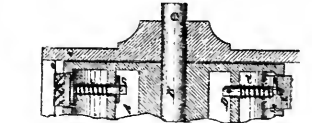
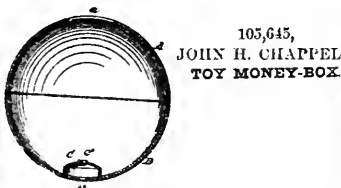
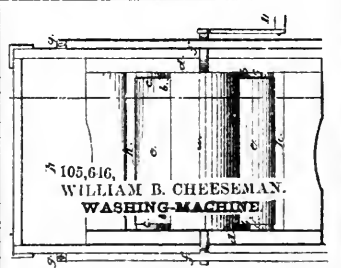
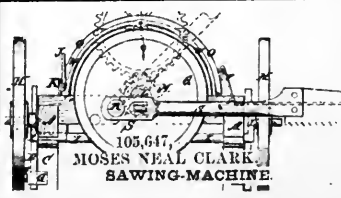
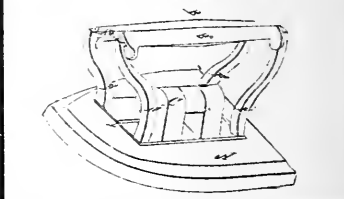
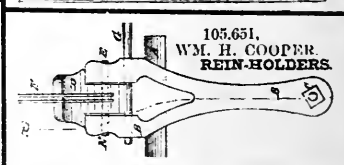
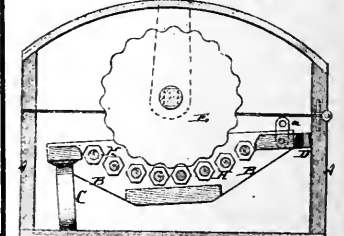
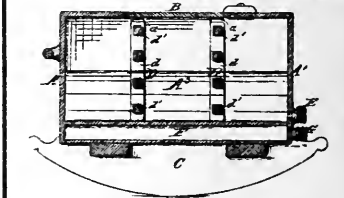
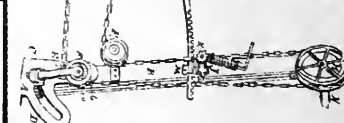


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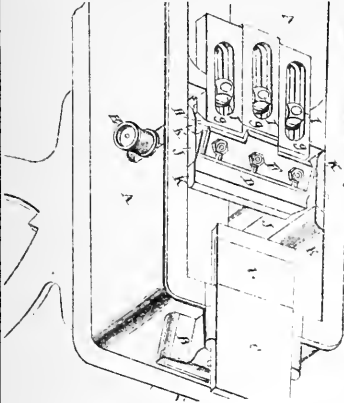


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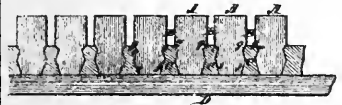


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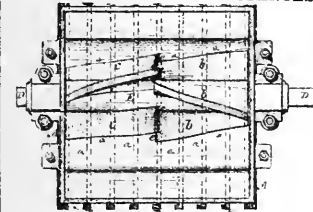
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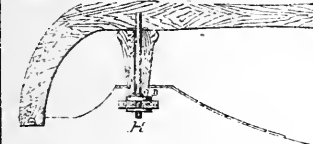
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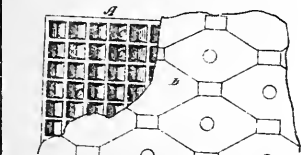
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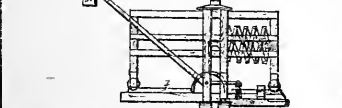
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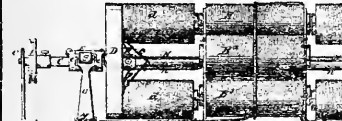
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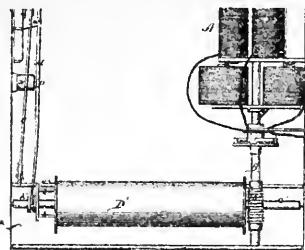
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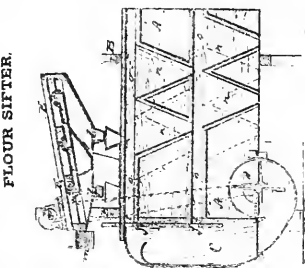
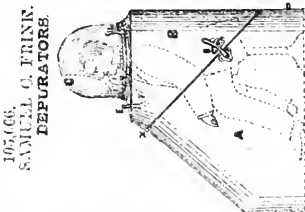
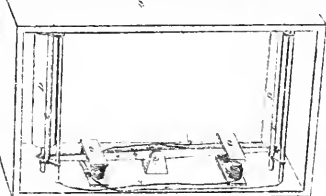
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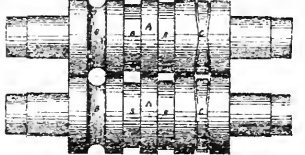
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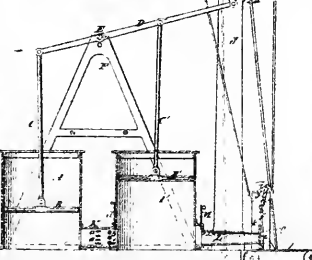
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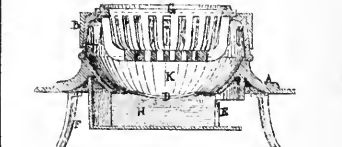
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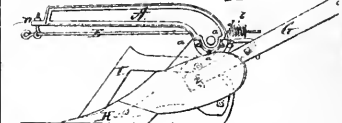
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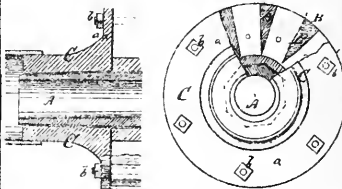
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105,673, JOSEPH D. HALL.  
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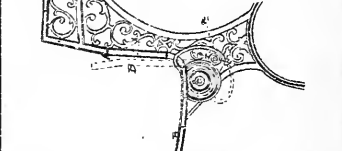
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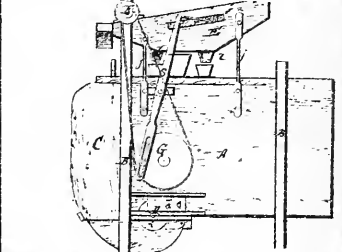
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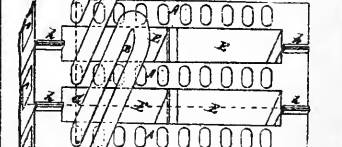
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105,677, M. P. HARLEY.  
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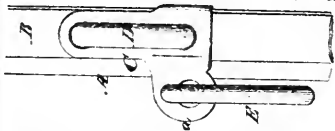


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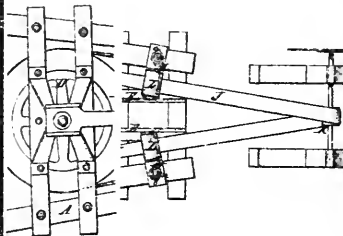




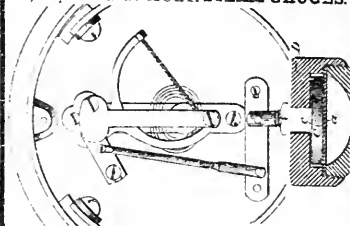
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105,680, J. R. HEDGES. HORSE-POWERS.

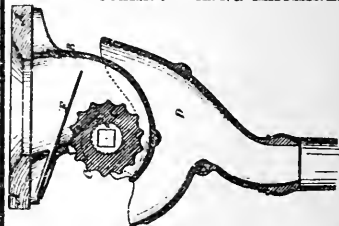


105,685, JOHN P. HOLT. STEAM-GAUGES.



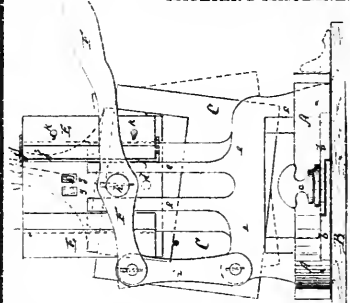
105,690, JOSEPH INGELS.

GRAIN-DRILLING MACHINES.

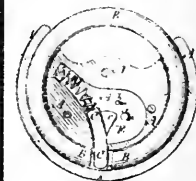


105,686, JOHN HOLZBERGER.

MITERING-MACHINE.



105,691.

JOSEPH INGELS.  
PADLOCKS.

105,692, HENRY M. JOHNSTON.

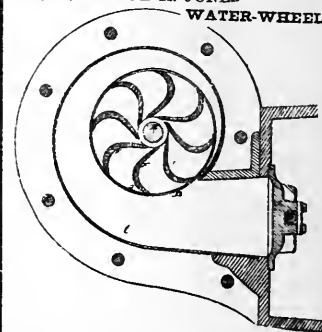
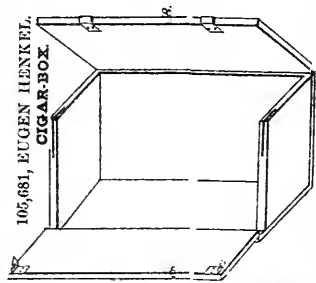
LAMBREQUINS.

105,693, HENRY M. JOHNSTON.

LAMBREQUINS.

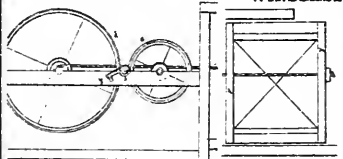
105,694, GEORGE H. JONES

WATER-WHEELS.

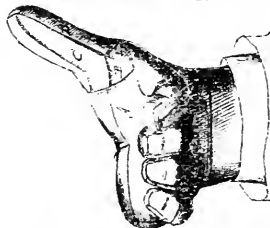
105,681, EUGEN HENKEL.  
CIGAR-BOX.

105,682, ALONZO HITCHCOCK.

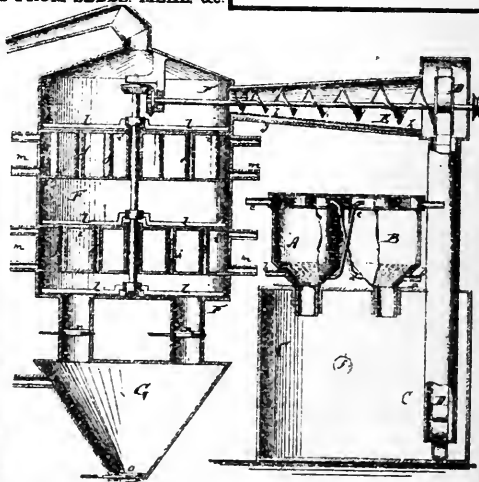
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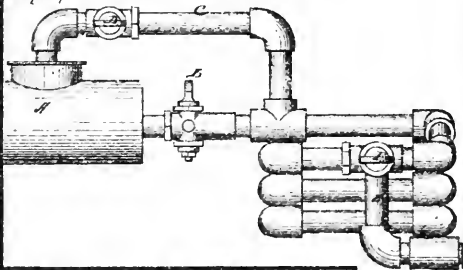
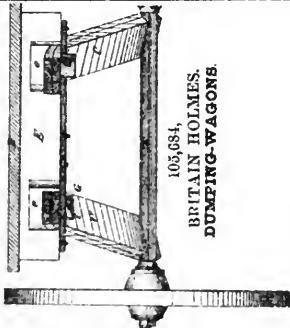
105,687, DANIEL S. HULETT. GLOVES.



105,688, ELIAS S. HUTCHINSON.

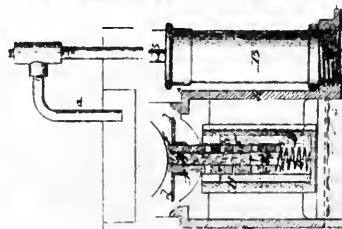
APPARATUS FOR REMOVING  
OIL FROM SEEDS, MEAL &c.

105,683, JOHN HOFFERBERTH. OIL-STILL.

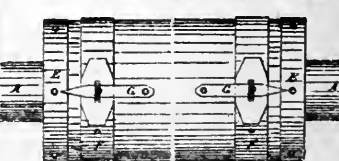
105,684,  
BRITAIN HOLMES.  
DUMPING-WAGONS.

105,689, CHARLES HIRIG.

RAILROAD-CAR JOURNAL-BOXES.



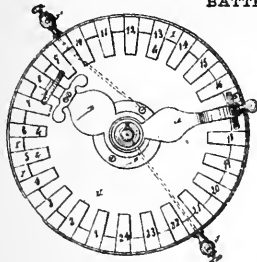
105,695, MARQUIS R. JONES.

BOXING FOR COVERING THE  
SHAFTING OF MACHINERY.

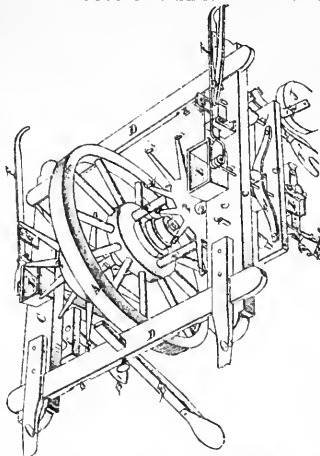
105,696, MOSES A. KELLER.  
UNIVERSAL SHAFT-COUPLING.



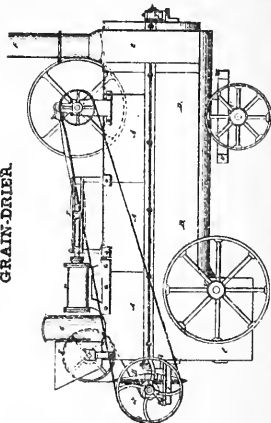
105,697, JEROME KIDDER, M. D.  
COMPOUND SWITCHES FOR ELECTRIC  
BATTERIES.



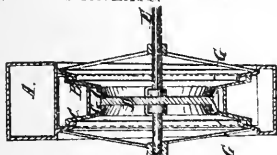
105,703, WILBER C. LOCKWOOD.  
CORN AND SEED-PLANTERS.



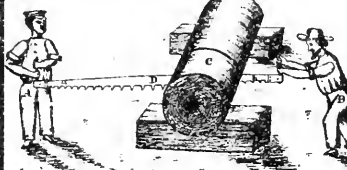
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ROBT. MILBURN,  
THOS. BROWNING  
GRAIN-DRIER.



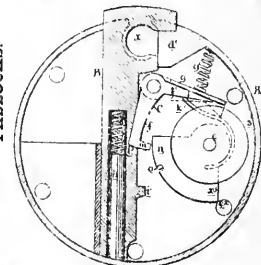
105,698, A. KNEASS, WATER WHEEL.



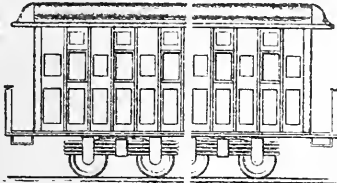
103,704, PETER LONGWELL.  
CROSS-CUT SAWS.



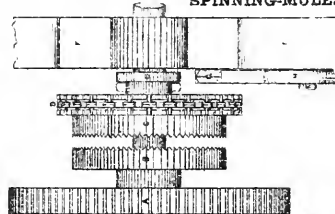
103,710,  
D. K. MILLER.  
PADLOCKS.



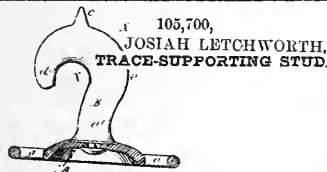
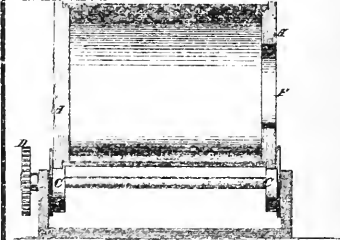
105,699, B. J. LA MOTHE.  
METALLIC RAILWAY-CARS.



105,705, HEZEKIAH MACON.  
JOSHUA HUNT.  
DEVICE FOR PREVENTING THE  
UNCOUPLING OF CLUTCHES IN  
SPINNING-MULES.

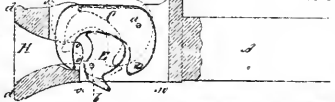


105,711, GEORGE MILLER  
GRINDERS FOR CLEANING CASTINGS.

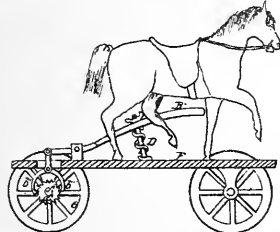


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JOSIAH LETCHWORTH.  
TRACE-SUPPORTING STUD.

105,706, MALANCTHON B. MALOTT.  
CAR-COUPLING



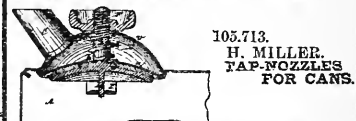
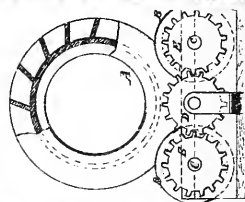
105,701, JOHN LIMING, COMBINED  
HOBBY-HORSE AND CARRIAGE-MOTOR.



105,707, DUNCAN MCKENZIE.  
WOOD PAVEMENTS.

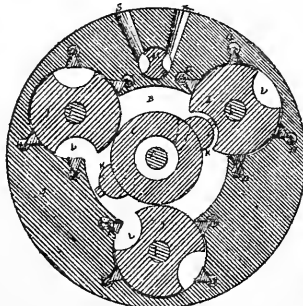


105,719,  
GEORGE MILLER.  
WATER-WHEELS.



105,713,  
H. MILLER.  
TAP-NOZZLES  
FOR CANS.

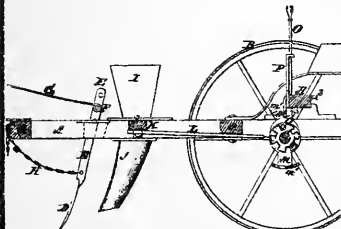
105,708, EDWIN D. MEAD.  
ROTARY ENGINES.



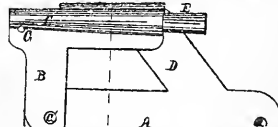
105,714, EDWARD MILNER.  
STANDARDS FOR WAGON-BOXES  
METALLIC

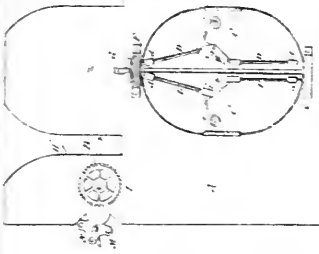
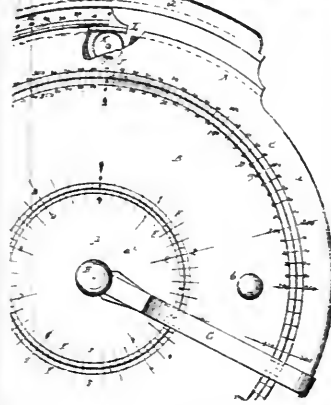
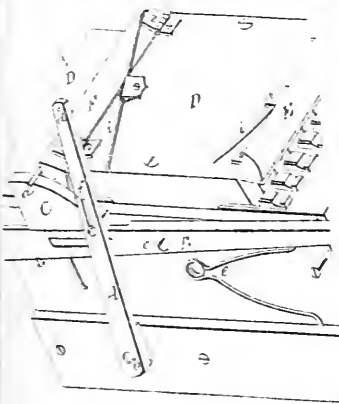
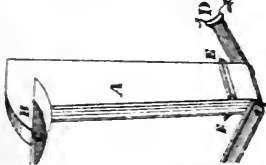
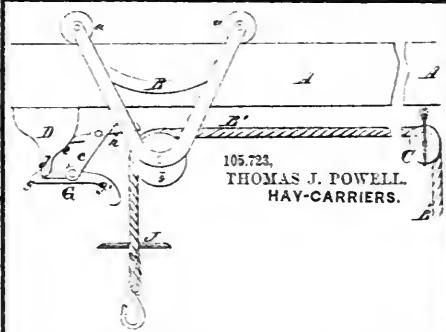


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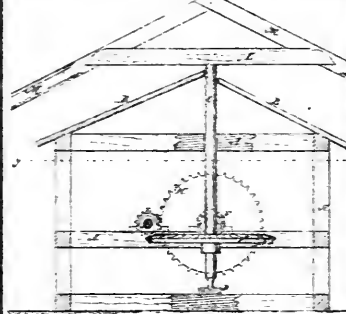
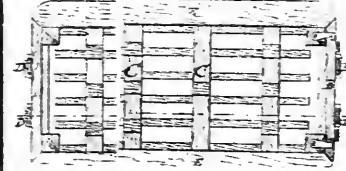
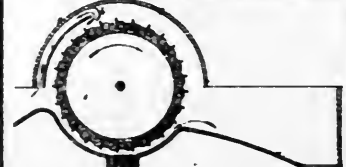
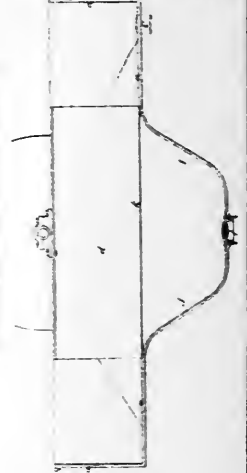
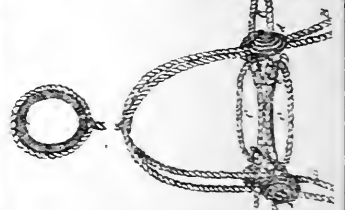
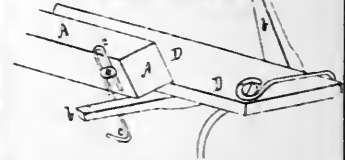


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SCHAMU MORITZ MOSCHCOWITZ.  
ATTACHMENT FOR SEWING-MACHINE.

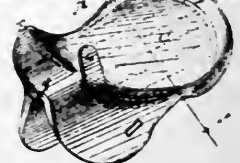


105,716, NELSON NEWMAN.  
CORN-HARVESTERS.105,717, NELS OCKERLUND.  
ADDING-MACHINE.105,718 ISAAC T. PACKARD.  
REED MUSICAL INSTRUMENTS.105,719, ELIPHALET H. PARKER.  
PLANKING-SET.105,720, C. F. PARROTT. TREATING  
AND PRESERVING GRAIN IN BULK.105,722 HENRY G. PORTER.  
HORSE HAY-FORKS.105,723,  
THOMAS J. POWELL.  
HAY-CARRIERS.

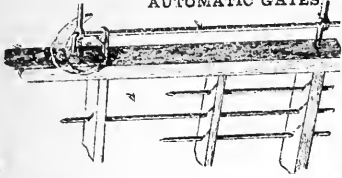
105,724, ROBERT QUINN. HORSE-POWER.

105,725, WILLIAM RICKARD  
FLOATING TIDE-DOCKS.105,726, EDWARD B. ROBINSON.  
MUSIC-LEAF TURNER.105,727, JOHN K. ROBINSON.  
MATCH-STICK.105,728, THOMAS ROSE.  
ROBERT EMERSON GIBSON.  
ENGINES FOR SEPARATING FIBER  
FROM HUSKS OF COTTON-SEED.105,729, THOMAS ROSE.  
ROBERT EMERSON GIBSON.  
PROCESS FOR SEPARATING THE  
FIBER FROM THE HUSK IN COT-  
TON-COATED SEEDS105,730 SARAH E. SAUL.  
LIFE-PRESERVING SKIRT.105,731, DANIEL SHERWOOD.  
EDWARD P. WOODS.  
GEORGE D. DUDLEY.  
TABLE-CASTER.105,732, DANIEL SHERWOOD.  
GEORGE D. DUDLEY.  
TABLE-CASTER.105,733, ALEXANDER J. SHUNK.  
HORSE HAY-RAKES.

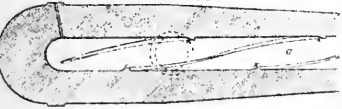
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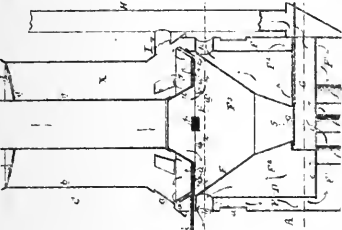
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MONTGOMERY CROSSMAN.  
AUTOMATIC GATES.



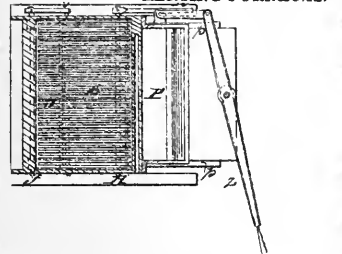
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RIFLED CANNON.



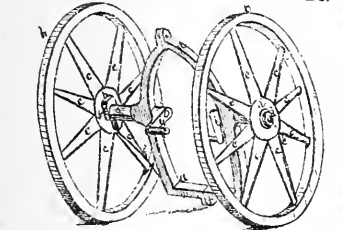
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HEATING-STOVES.



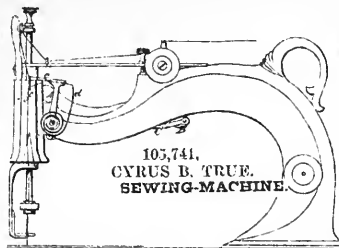
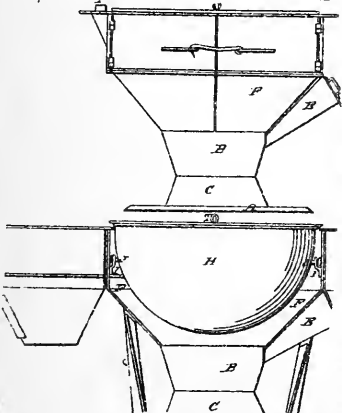
105,738, WM. A. SWEET.  
HEATING-FURNACES.



105,739, EPHRAIM TARBOX  
VELOCIPEDS.

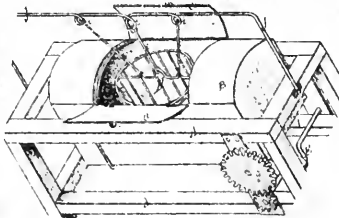


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FARMERS' BOILER.

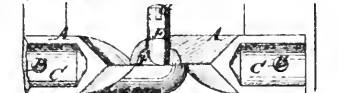


105,741,  
CYRUS B. TRUE.  
SEWING-MACHINE.

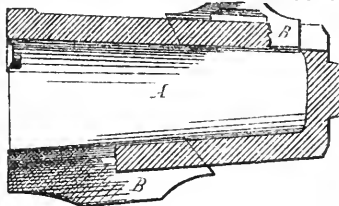
105,742, SOPHIA S. TUPPER.  
DISH-WASHING MACHINE.



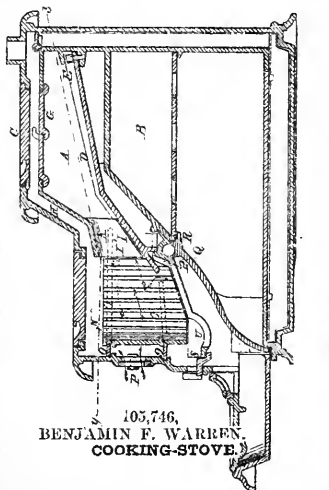
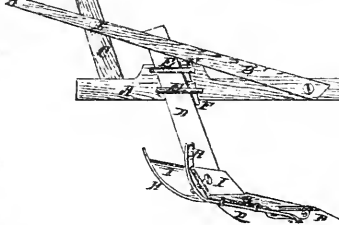
105,743, SAMUEL D. VAN PELT, HINGES.



105,744, ISAAC H. VAN WIE.  
HOLLOW AUGER.

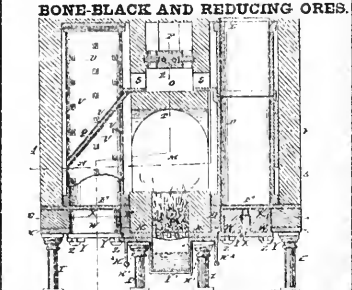


105,745, CHARLES L. WAFFLE  
CULTIVATORS.

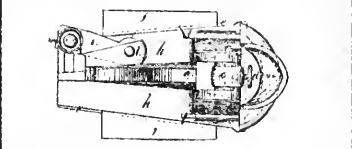


105,746,  
BENJAMIN F. WARREN.  
COOKING-STOVE.

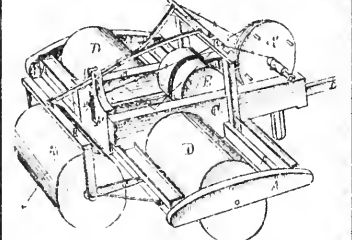
105,747, ADAM WEBER.  
FURNACES FOR REBURNING  
BONE-BLACK AND REDUCING ORES.



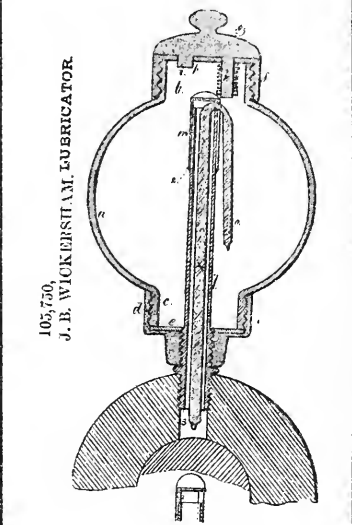
105,748, FRANK WHALEN STOVE-LEG.



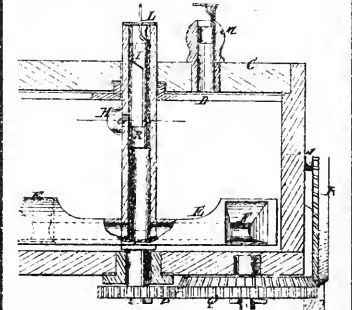
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DANIEL A. GUNN.  
LAND-ROLLERS.

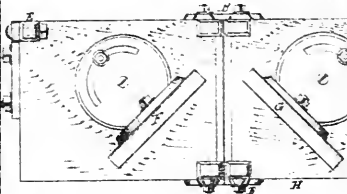
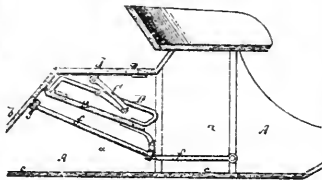
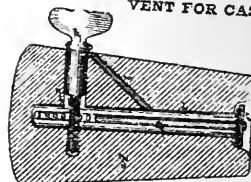
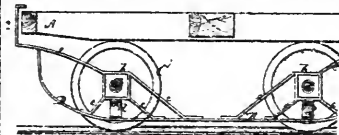
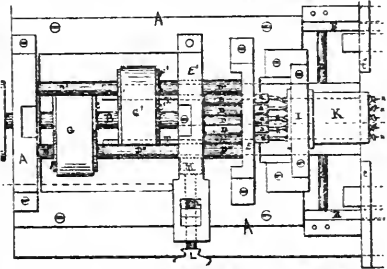
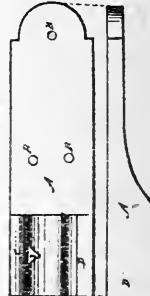
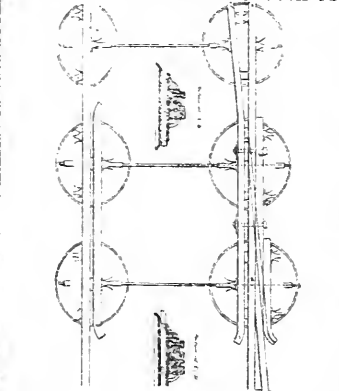
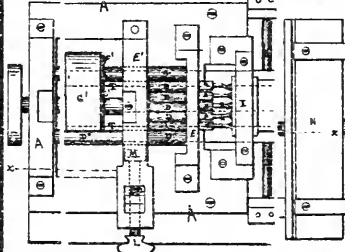
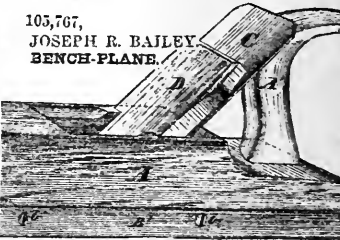
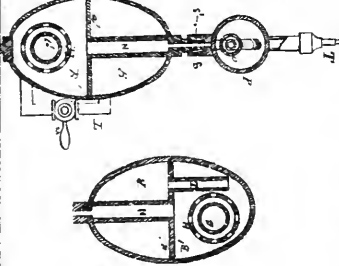
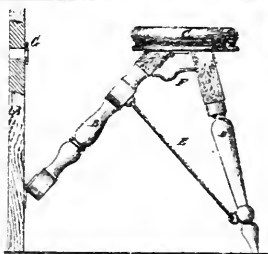
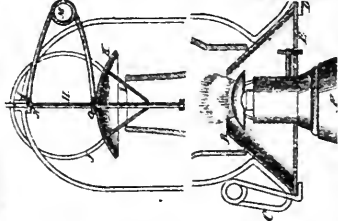
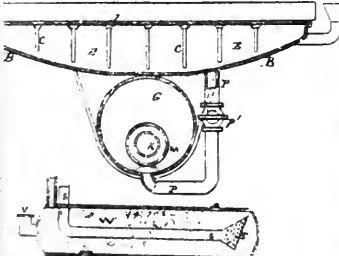
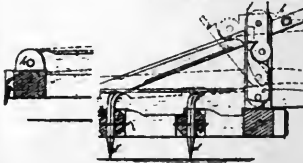


105,750,  
J. B. WICKENHAM, LUBRICATOR.

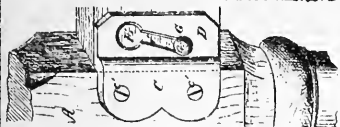
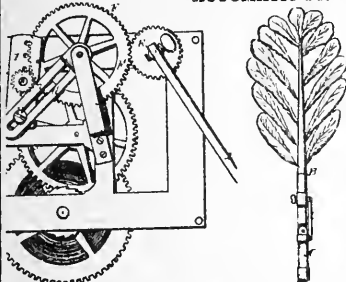
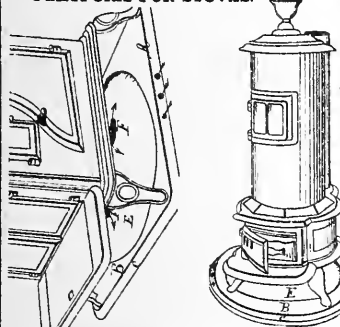
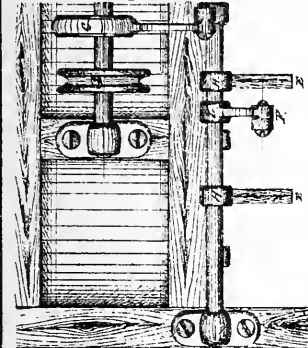
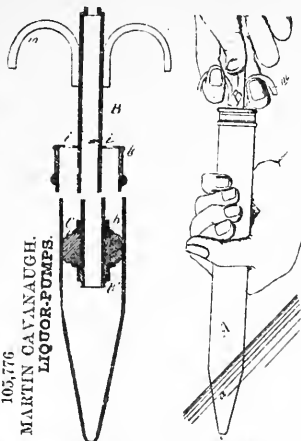
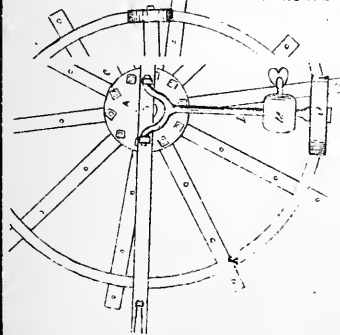
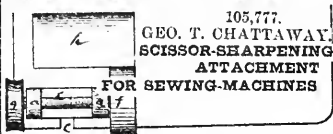
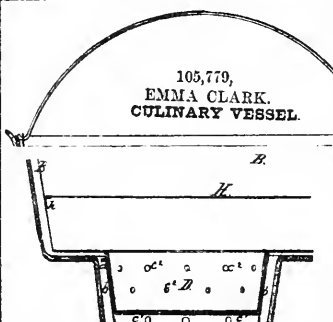
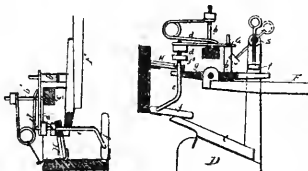
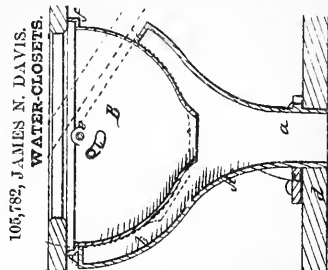
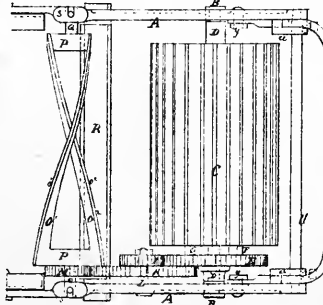
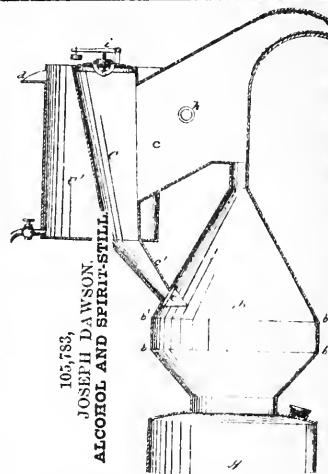
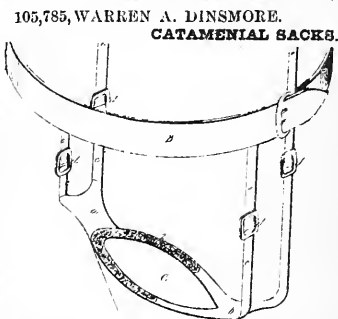
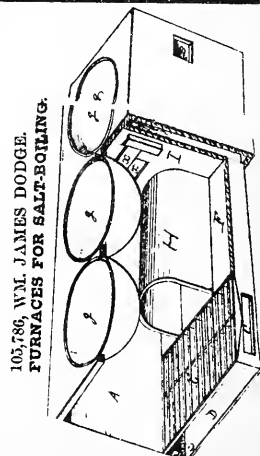


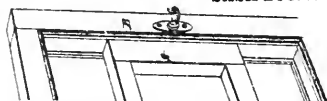
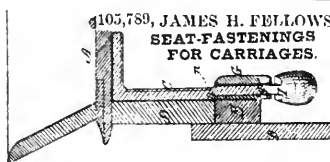
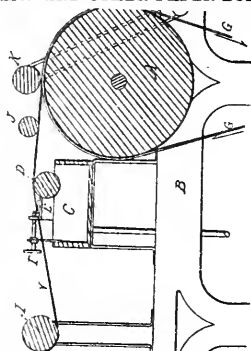
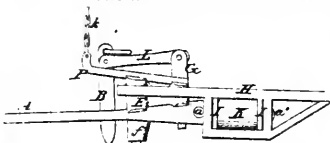
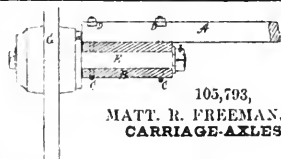
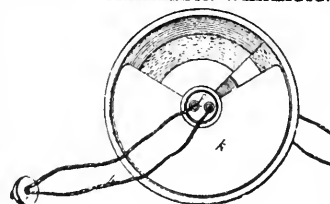
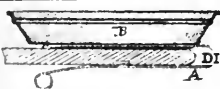
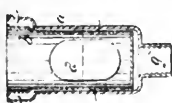
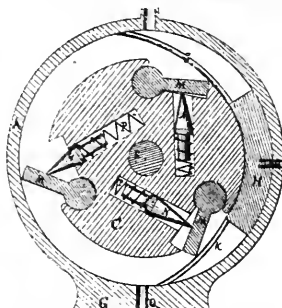
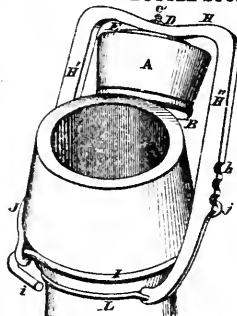
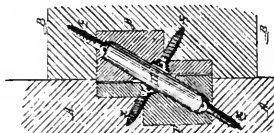
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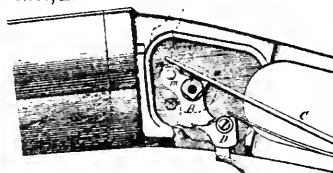
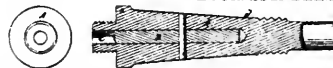
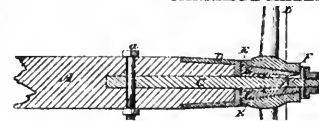
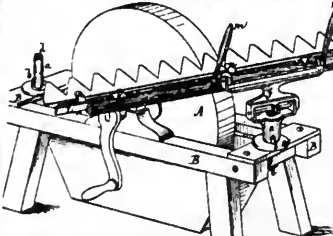
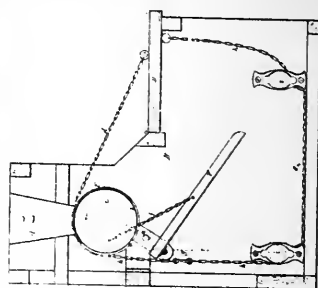
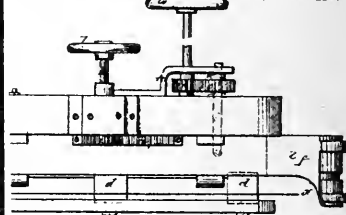
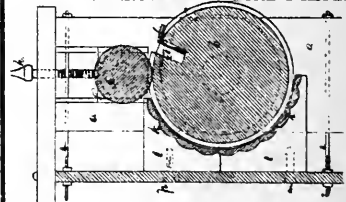
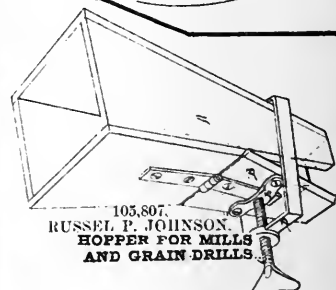
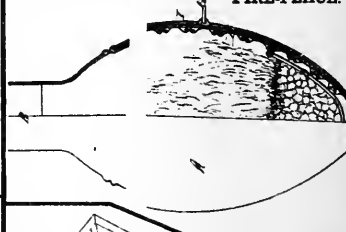
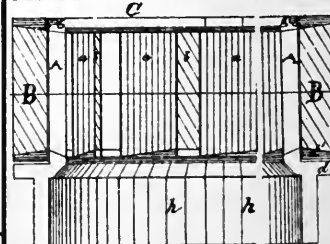
105,752, EDWARD M. WILCOX.  
MITER-BOX.105,758, THOMAS H. WOOD.  
FOLDING BUGGY-SEAT.105,764, WM. ASCOUGH.  
VENT FOR CASES.105,753, JOHN ATWATER WILKINSON.  
SAFETY-GUARD FOR RAILWAY CARS.105,759, BENJ. F. WRIGHT  
JOHN ROWE, JR.  
PREPARING RAWHIDE FOR USE  
IN CHAIR-SEATS.105,765,  
THOMAS EDWIN BADEN.  
TRAVELING BELT-STOP FOR  
MACHINERY.105,754, R. P. WILLIAMS  
RAILWAY CROSSINGS.105,760, SIMEON M. WRIGHT.  
BORING AND MORTISING-MACHINES.105,766,  
JOSEPH R. BAILEY.  
BOX-SCRAPER.105,767,  
JOSEPH R. BAILEY.  
BENCH-PLANE.105,755,  
ARTHUR ST. CLAIR WINCHESTER.  
METALLIC PLATE-SCREEN FOR  
SCREENING PAPER PULP.105,756, JOSEPH S. WOOD.  
GAS APPARATUS FOR  
RAILROAD CARS, &c.105,761,  
JOHN L. YOUNG.  
FOLDING COUNTER-STOOL.105,762, MCCLINTOCK YOUNG.  
LANTERNS.105,768, JOHN F. BARKER.  
GAS-BURNERS.105,766, CALED HATES.  
APPARATUS FOR IMMERSING  
SHINGLES AND OTHER ARTICLES IN  
LIQUIDS.105,757, JOSEPH S. WOOD.  
GAS APPARATUS FOR RAILROAD CARS105,763, IGNAZIO ALLEGRETTI.  
REFRIGERATOR.105,770, ALBERT B. BAUM.  
COMBINED  
HARROW AND  
SHOVEL-CULTIVATOR.



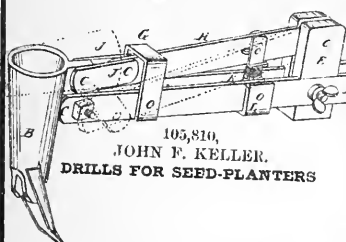
105,771, JOHN BENJAMIN  
BEDSTEAD-FASTENING105,772, GEO. H. BRIGGS.  
AUTOMATIC FAN.105,773, C. BROWNELL.  
PLATFORM FOR STOVES.105,774, HENRY W. BULKLEY.  
MACHINE FOR FLOCKING WALL-  
PAPER, SHOW-CARDS, &c.105,775, WELCOME J. BURDICK.  
HARROWS105,776  
MARTIN CAYNAUGH.  
LIQUOR-PUMPS.105,777.  
GEO. T. CHATTAWAY.  
SCISSOR-SHARPENING  
ATTACHMENT  
FOR SEWING-MACHINES105,778 D. M. CHURCH.  
SPOOL OF THREAD FOR SEWING-  
MACHINE SHUTTLES.105,779,  
EMMA CLARK.  
CULINARY VESSEL.105,780, HUGH ARCHIBALD CLARKE.  
ORGANS, MELODEONS, &c.105,781, THOMAS COLDWELL.  
GEORGE L. CHADBOEN.  
LAWN-MOWERS.105,782, JAMES N. DAVIS.  
WATER-CLOSETS.105,783,  
JOSEPH DAWSON.  
ALCOHOL AND SPIRIT-STALL.105,784, J. J. DE FREITAS.  
CORN-HARVESTER CUTTERS.105,785, WARREN A. DINSMORE.  
CATAMENIAL SACKS.105,786, WM. JAMES DODGE.  
FURNACES FOR SALT-BOILING.

105,787, GEORGE W. DUBUISSON.  
SASH-LOCKS.105,788, HENRY FAKE.  
RECTIFYING WHISKY. &c.105,789, B. F. FIELD.  
MANUFACTURE OF  
STRAW AND OTHER PAPER BOARD.105,791, WILLIAM E. KITTREDGE.  
RAILWAY-CAR COUPLING105,792, LUDWIG OTTMAR FRANKE.  
CHAMELEON WHIRLIGIG.105,793,  
MATT. R. FREEMAN.  
CARRIAGE-AXLES105,794,  
C. R. FREET.  
DISH-FASTENER105,795,  
J. B. FULLER.  
ARGAND  
GAS-BURNERS.105,796, WILLARD M. FULLER.  
ROTARY ENGINES.105,797, W. H. GIBBS.  
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BEDSTEAD-FASTENING.

105,799, L. HAILER. GUN-LOCKS.

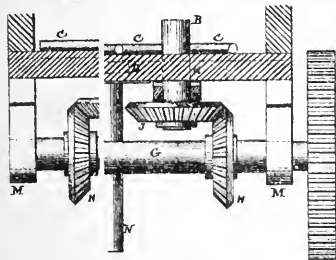
105,800, JOSEPH L. HALL.  
LOCK-SPINDLES.105,801, WILLIAM N. HALL.  
CARRIAGE-AXLES.105,802, CHAS. O. HARDY. MACHINES  
FOR SHARPENING REAPER-KNIVES105,803, GEO. B. JEWETT.  
EARTH-CLOSETS.105,804, PHILIP JOBSON.  
MICHAEL C. JOBSON.  
SAW-MILLS105,805, ASA JOHNSON. MACHINES FOR  
BENDING  
CORRUGATED-METAL PLATES105,806, ANSON B. JOHNSON.  
FIRE-PLACE.105,807,  
RUSSEL P. JOHNSON.  
HOPPER FOR MILLS  
AND GRAIN DRILLS105,808, JACOB O. JOYCE.  
CASES FOR TURBINE WATER-WHEELS

105,809, WILLIAM H. F. KEHRWIEDER.  
COMPOSITION FOR "ENCAUSTIC  
PAINTING."

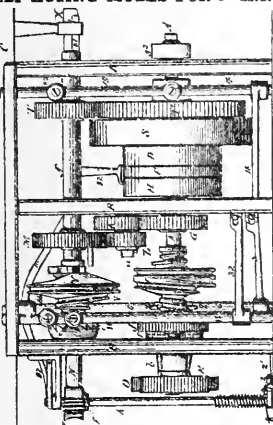


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JOHN F. KELLER.  
DRILLS FOR SEED-PLANTERS

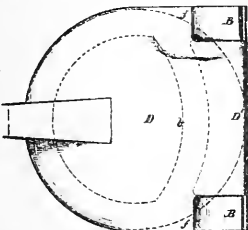
105,811, JOHN F. KELLER. FERTILIZER-  
ATTACHMENT TO SEEDING-MACHINES.



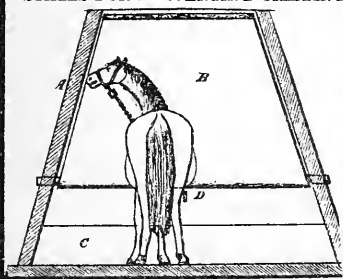
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N. W. BANCROFT.  
SELF-ACTING MULES FOR SPINNING.



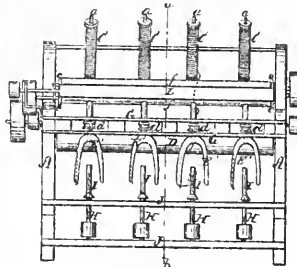
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LUCIUS J. KNOWLES.  
VALVES  
FOR STEAM AND  
OTHER PUMPS.



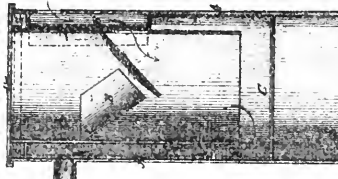
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STALLS FOR PREVENTING CREEPING



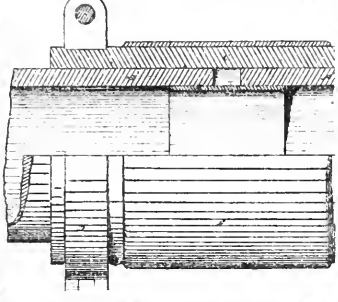
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LORENZO V. DAGGETT.  
SPINNING-MACHINES.



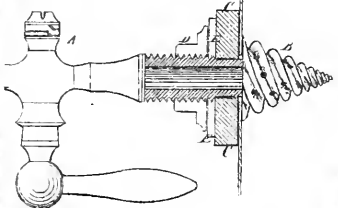
105,816, SILAS HOFFMAN LA RUE.  
HEATING-STOVE



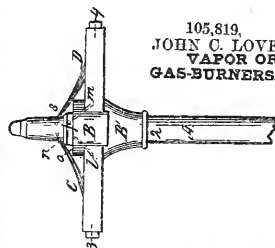
105,817, WM. A. LIGHTHALL.  
PIPE-COUPPLINGS



105,818, JAMES H. LORD. FAUCETS.



105,819,  
JOHN C. LOVE.  
VAPOR OR  
GAS-BURNERS.



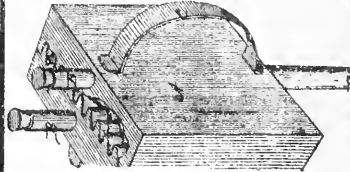
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SHUTTLE FOR SEWING-MACHINES.



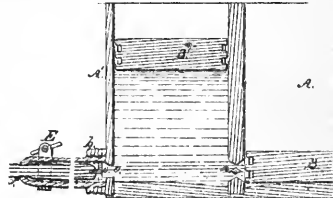
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HORSE-COLLAR.



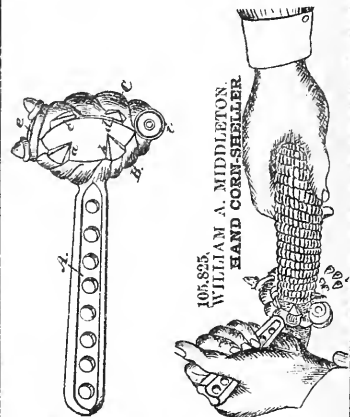
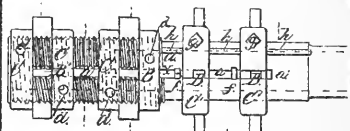
105,822, ELISHA MATTHEWSON. COMBINED  
HAIR-CURLER AND CRIMPER.



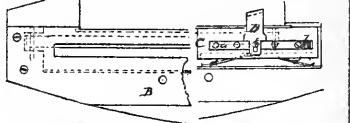
105,823, J. A. MCCLELLAND.  
PROCESS FOR COATING OBJECTS WITH  
COLLODION AND ITS COMPOUNDS.



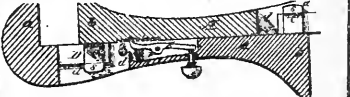
105,824, WILLIAM H. McMILLAN.  
DAVID MORRIS.  
TURNING DEVICES.



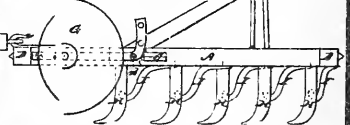
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URIAH FARIS.  
WEATHER-BOARD SCRIBE.

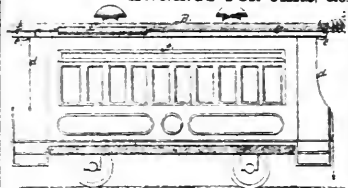
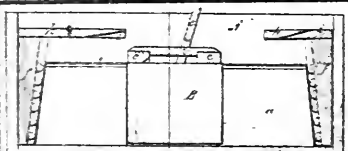
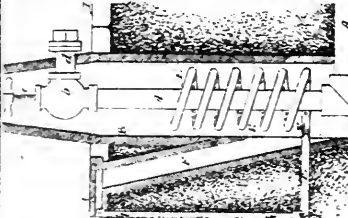
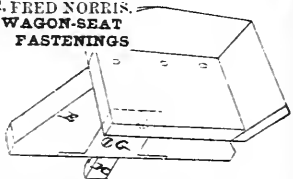
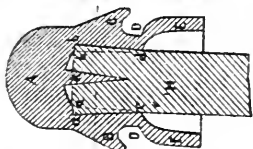
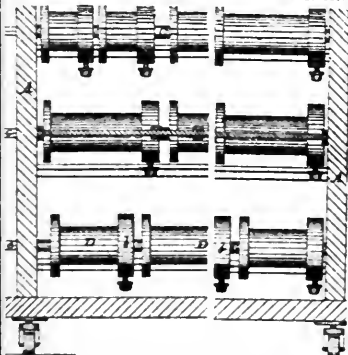
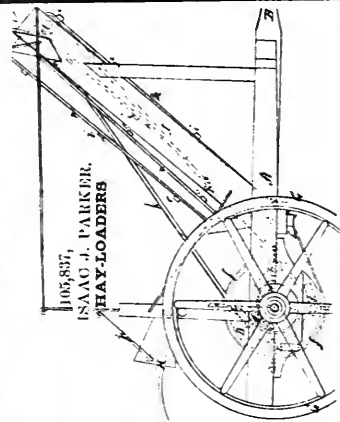
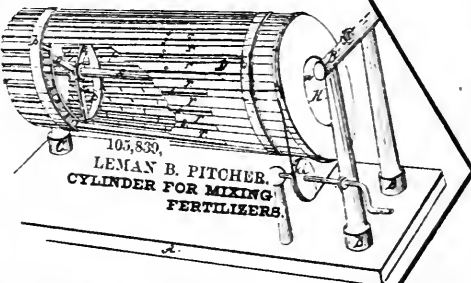
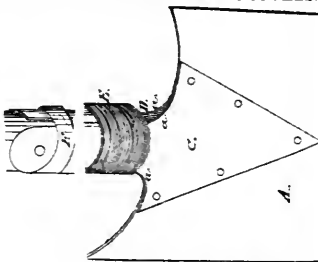
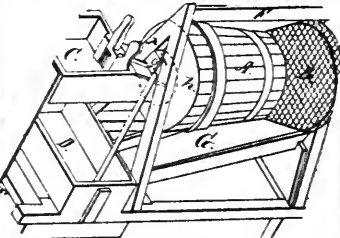
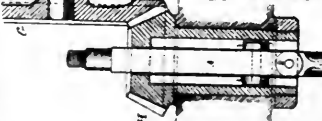
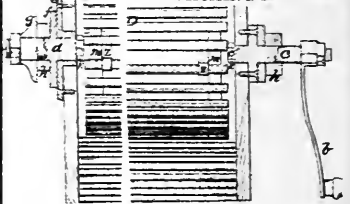
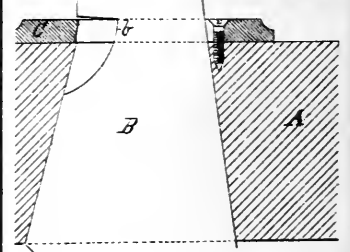
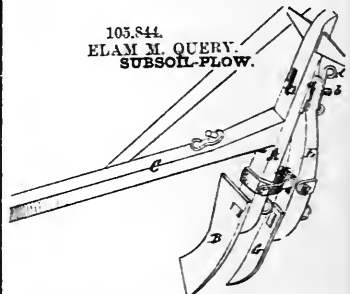
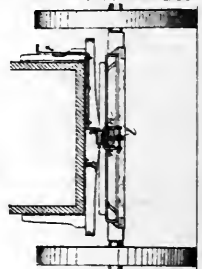
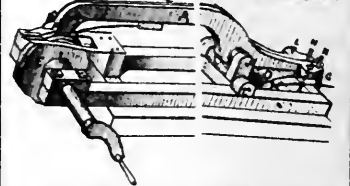


105,827, CHARLES H. MILLER. WRENCH.

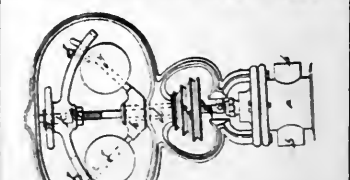


105,828, ISAAC MILLER.  
CULTIVATOR

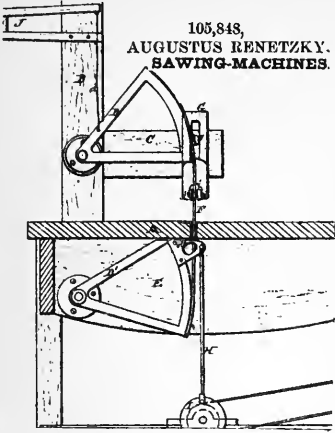


105,829, JAS. H. MONCE.  
AWNINGS FOR CARS, &c.105,830, JAMES C. MOORE.  
AND FIRE-PLUGS.  
THAWING DEVICES FOR HYDRANTS105,831, HENRY J. MORELAND.  
WASHING-MACHINE.105,832, FRED NORRIS.  
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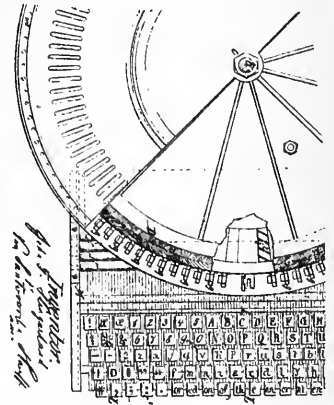
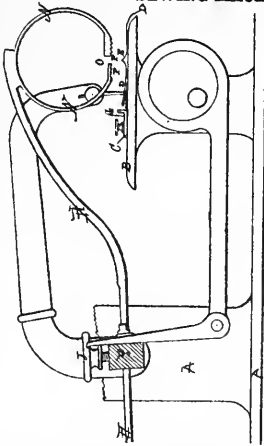
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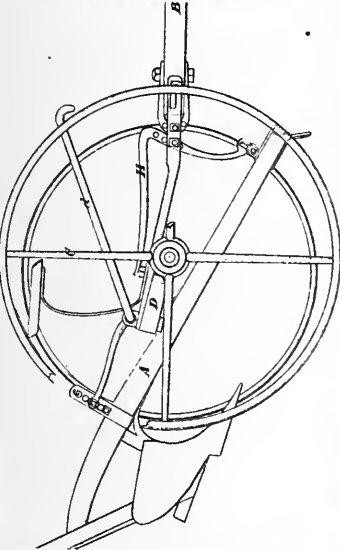
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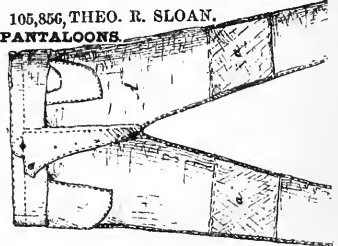
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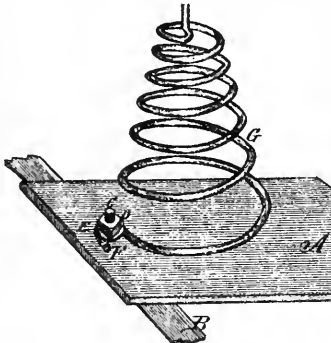
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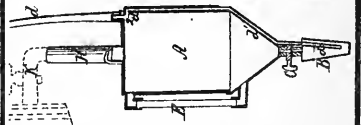
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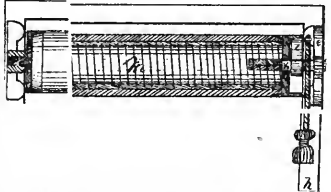
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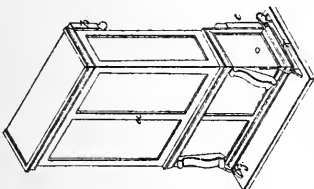
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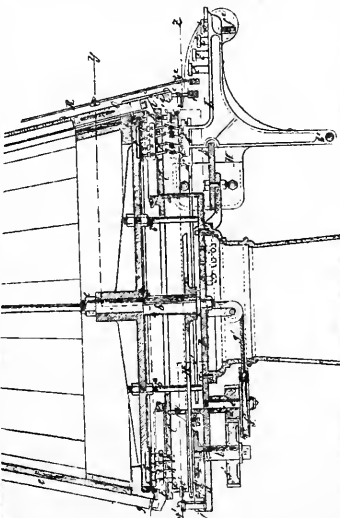
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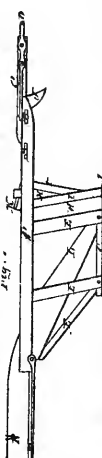
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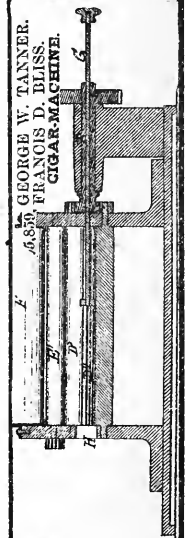
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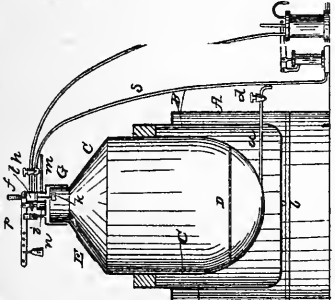
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105,859, GEORGE W. TANNER,  
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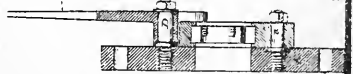
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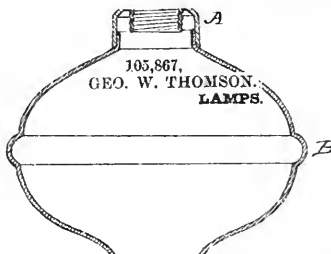
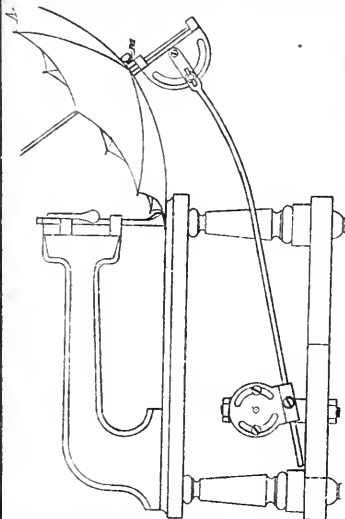


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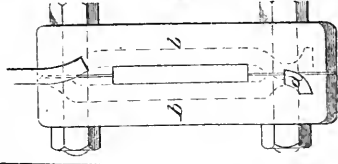




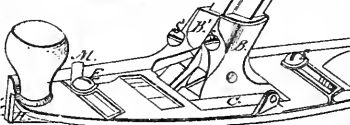
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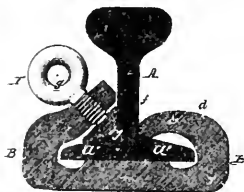
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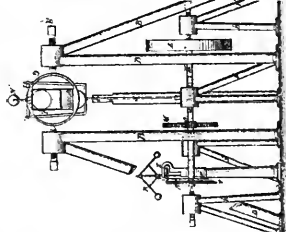
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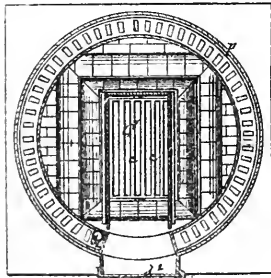
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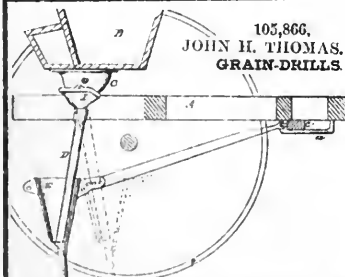
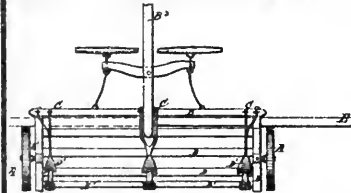
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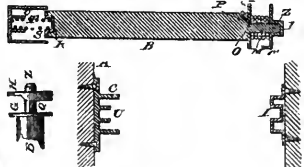


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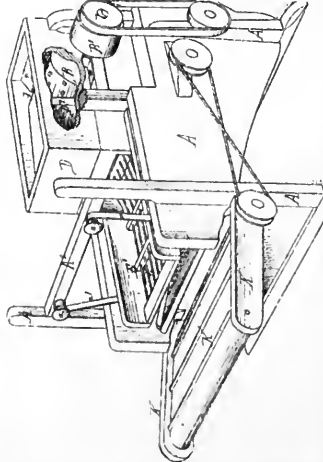


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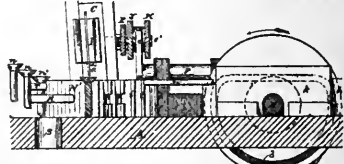
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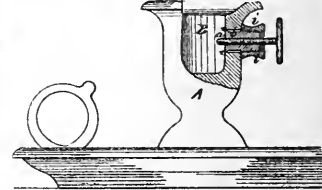
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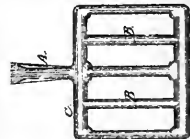
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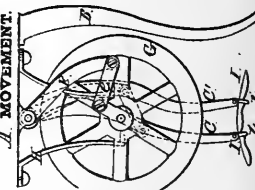
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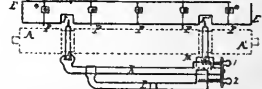
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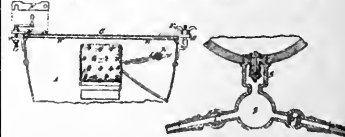
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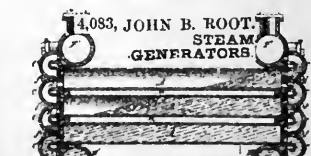
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4,081, EDWARD HEATON.  
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4,082,  
JOHN B. ROOT.  
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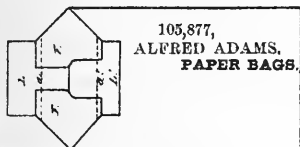
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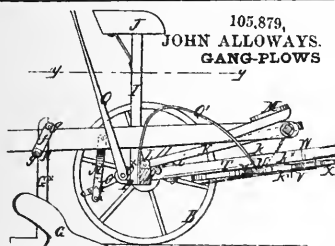
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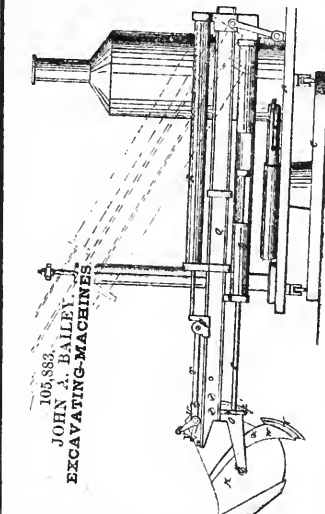
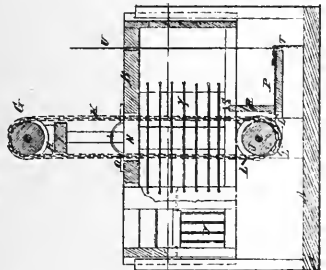
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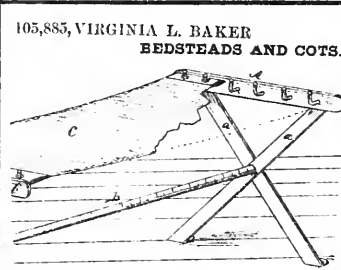
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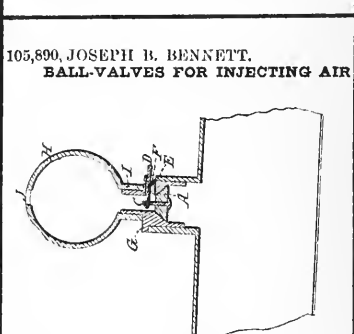
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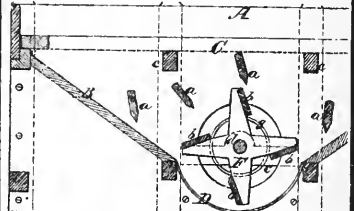
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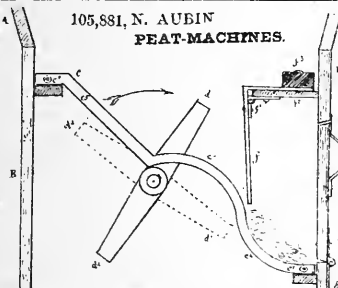
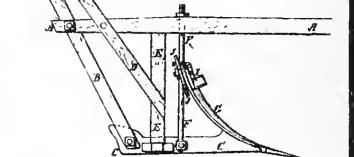


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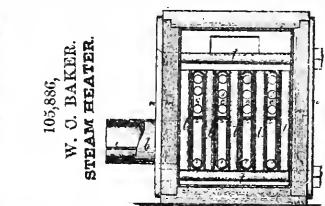
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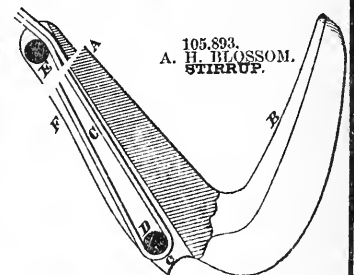
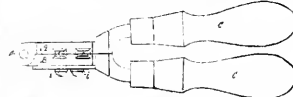


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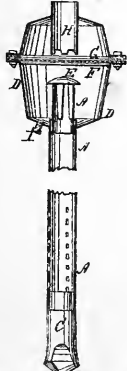
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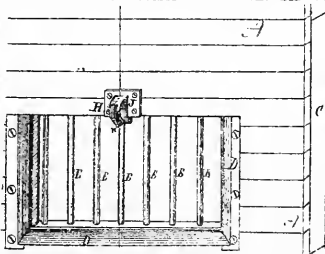


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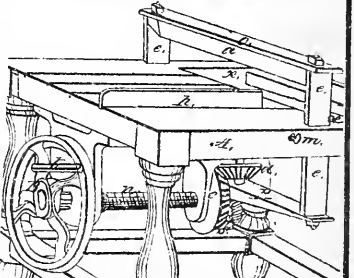
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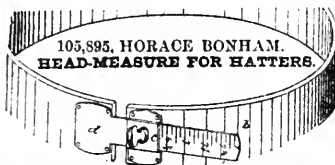


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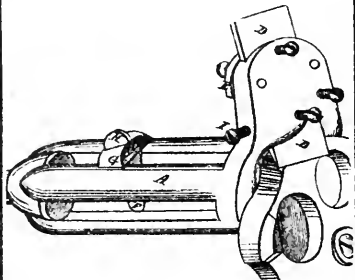
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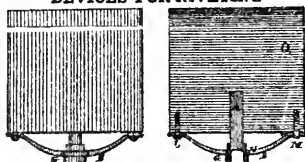


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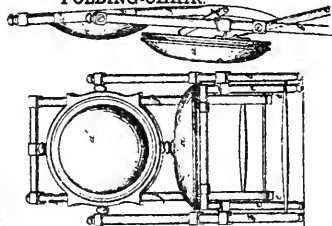
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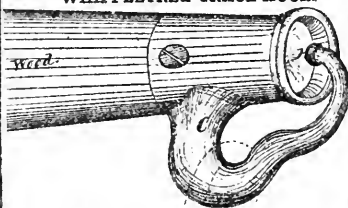
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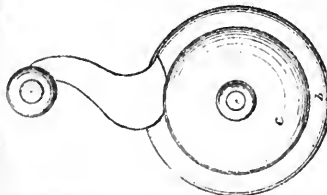
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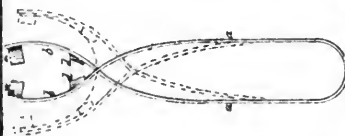
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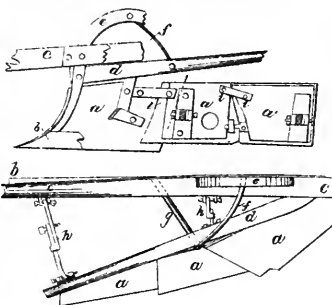
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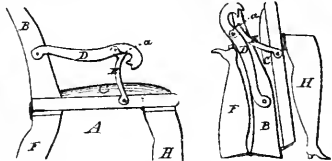
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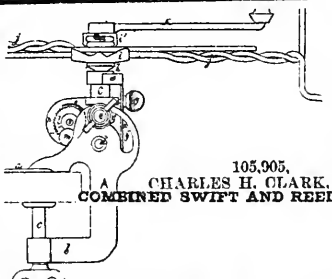
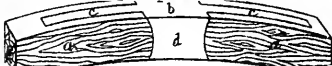
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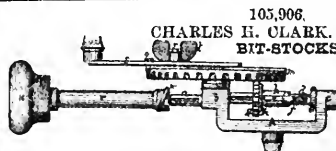
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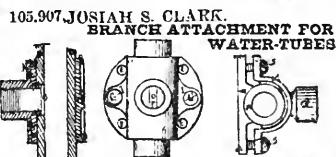
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105,905, CHARLES H. CLARK.  
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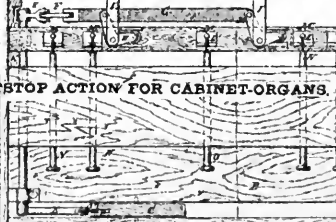
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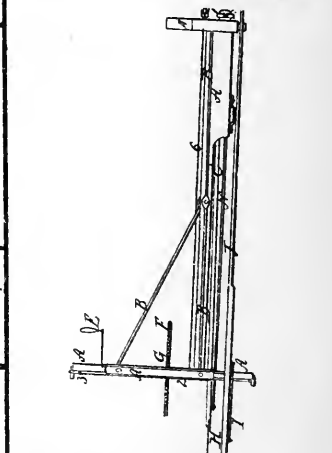
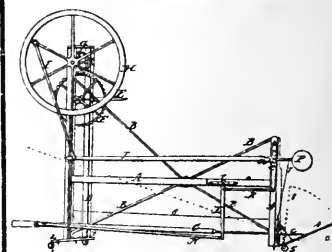
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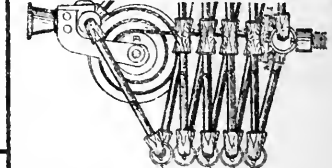
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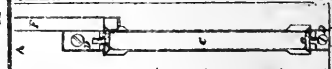
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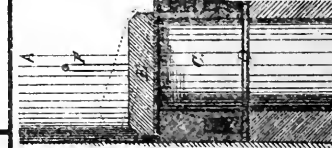
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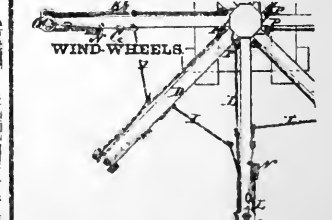
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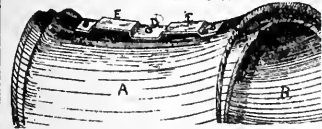
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GEORGE STRAYER.



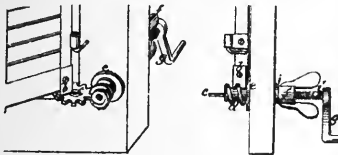
WIND-WHEELS.

105,916, JOHN CONZELMAN.  
COUGH-SIRUP.

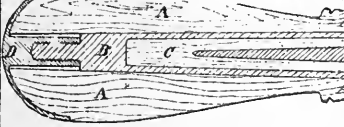
105,917, DEXTER CURTIS  
HORSE-COLLAR CAP



105,918, GEORGE L. DANFORTH.  
SHUTTER-WORKERS.



105,919, JOHN B. DAVIDS.  
TOOL-HANDLES.



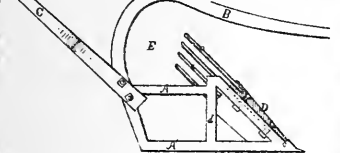
105,920, FREDERICKE DECKER.  
SEED-HARVESTERS.



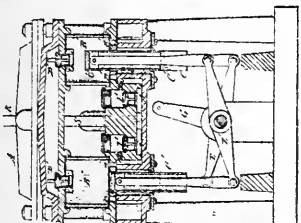
105,921, A. J. DEXTER  
ADJUSTABLE LINK.



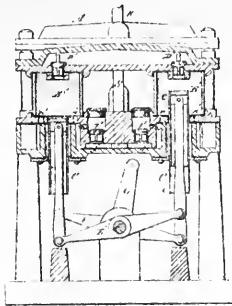
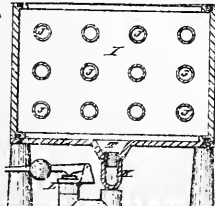
105,922, JAMES M. DICK.  
FRAMES FOR POTATO-DIGGERS AND  
SHOVEL-PLOWS



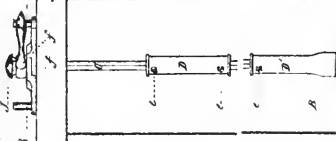
105,923, JULES DUVAL.  
PROCESS OF SEPARATING FIBERS  
FROM COTTON-SEED



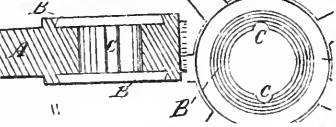
105,924, W. T. DUVAL  
MACHINERY FOR THE MANUFACTURE  
OF ICE.



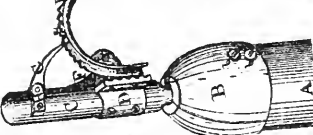
105,925, JAMES C. EASTMAN  
STOP-PLATES FOR HYDRANTS



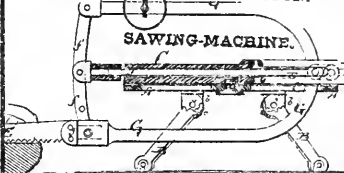
105,926, WM. F. EHLERS, WHEEL-HUB.



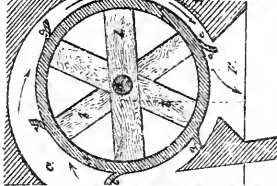
105,927, E. K. ELLIOTT,  
URI J. BAXTER.  
CLOTHES-LINE FASTENER



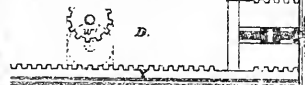
105,928, JAMES ANTHONY ELSTON.



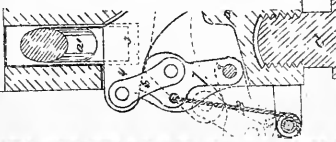
105,929, ENOS EMERSON.  
TURBINE WATER-WHEELS



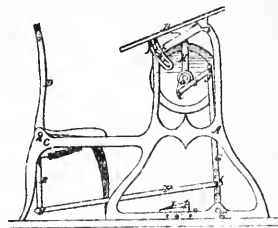
105,930, V. FOLAND.  
TRAVERSING MACHINE.



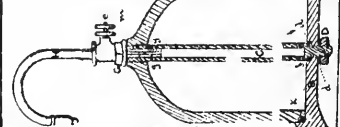
105,931, J. FOSTER, JR.  
BOAT DETACHING APPARATUS.



105,932, S. CONANT FOSTER  
MODE OF OPERATING SEWING  
AND OTHER MACHINES.



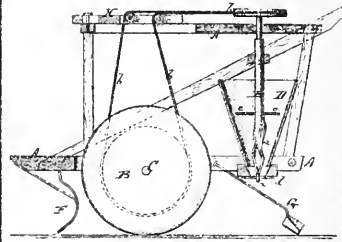
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ELISHA M. FOWLER



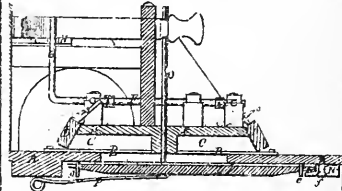
105,934, M. C. GARDNER.  
MODE OF AND DEVICES FOR MAKING  
GASKETS FOR STEAM PACKING.



105,935, THOMAS C. GARLINGTON.  
COTTON-SEED PLANTER



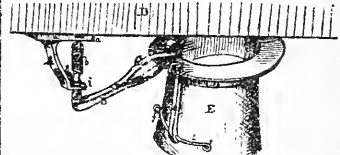
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REED MUSICAL INSTRUMENTS.



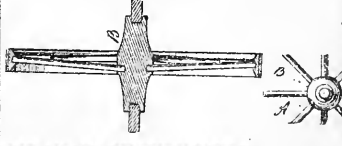
105,937, HENRY J. HANCOCK.  
DEVICE FOR TRANSMITTING  
ROTARY MOTION.

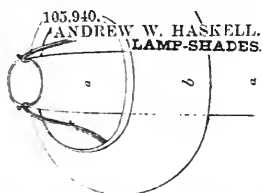


105,938, J. R. HARTMANN.  
MARTIN KAIS.  
HAT AND CAP-HOLDER AND BRACKET.



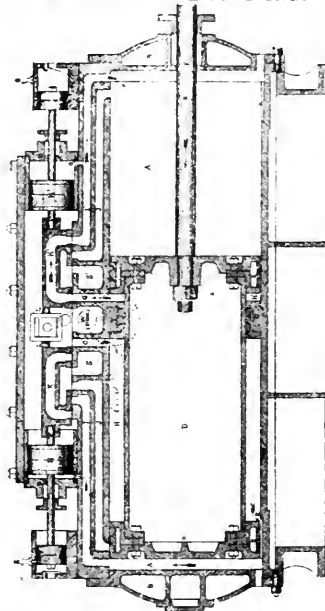
105,939, GEORGE HARRIS.  
WHEELBARROW-WHEELS.



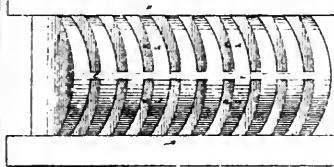


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ANDREW W. HASKELL.  
LAMP-SHADES.

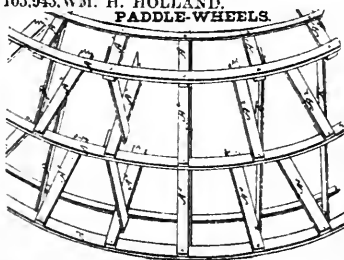
105,941. WILLIAM M. HENDERSON.  
DIRECT-ACTING COMPOUND ENGINE.



105,942. MARK HODGSON. GRATE-BAR.



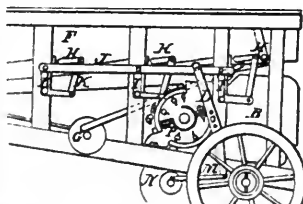
105,943. WM. H. HOLLAND.  
PADDLE-WHEELS.



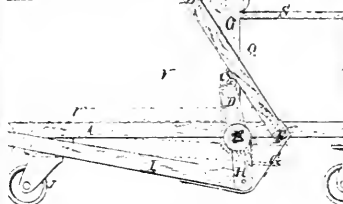
105,944. A. H. HOPSON. TRACE-BUCKLE.



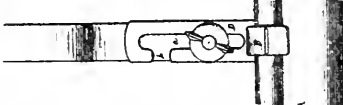
105,945. MONROE HURBELL.  
GRAIN-THRASHING AND  
CLOVER-HULLING MACHINES.



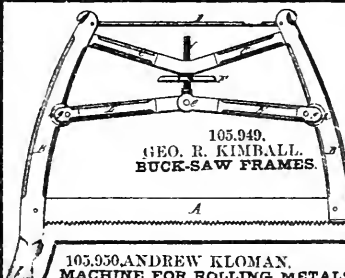
105,946. F. B. ISETT.  
BINDING ATTACHMENT FOR  
HARVESTERS.



105,947. JACOB J. KAUFFMAN.  
EAVES-TROUGH HANGERS.

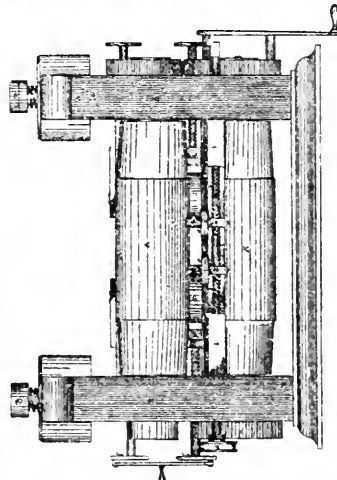


105,948. WILLIAM KEARNEY.  
GRATE-BARS.

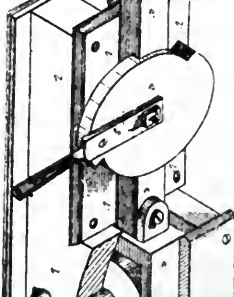


105,949.  
GEO. R. KIMBALL.  
BUCK-SAW FRAMES.

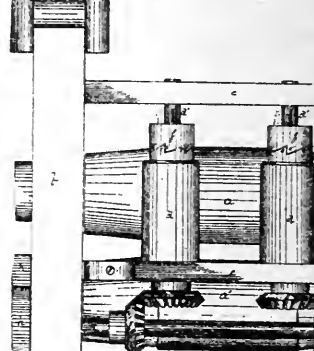
105,950. ANDREW KLOMAN.  
MACHINE FOR ROLLING METALS.



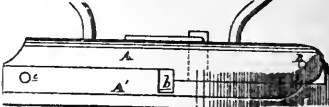
105,951. ANDREW KLOMAN.  
MECHANICAL MOTION



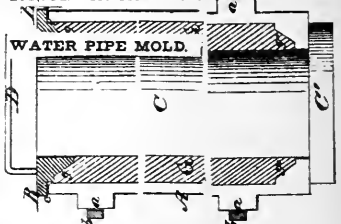
105,952.  
ANTHONY C. KLOMAN.  
IRON-ROLLING MILL.



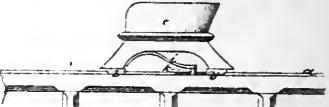
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MYRON H. KNAPP.  
FLUTING AND SAD-IRON.



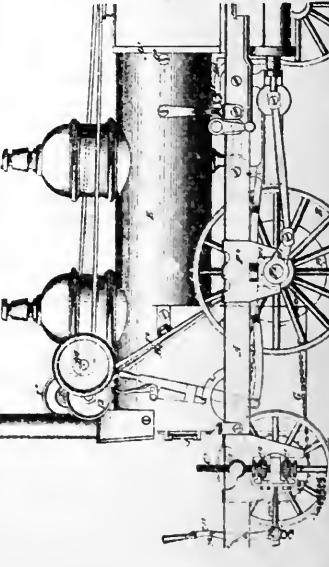
105,954. H. KNIGHT.



105,955. R. O. KNOWLES.  
SLIDING WAGON-SEAT.



105,956. JAMES K. LAKE.  
TRACTION-ENGINE.





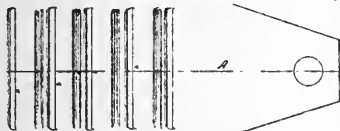
105,957, GEO. T. LINCOLN.

ROUND COMBS.



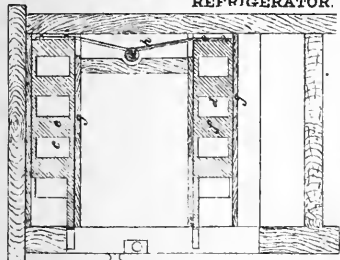
105,958, JOHN LUSIER.

VEGETABLE-CUTTERS.



105,959, WILLIAM B. MASON.

REFRIGERATOR.

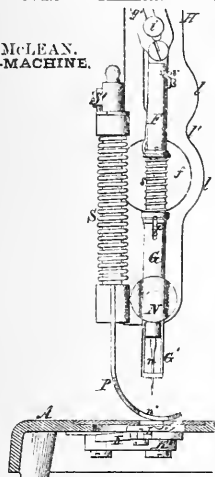


105,960 WILLIAM A. MAURAN.

MANUFACTURE OF CARPET-LINING.

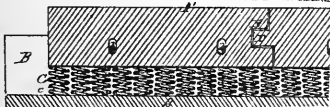
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JNO. N. McLEAN.

SEWING-MACHINE.



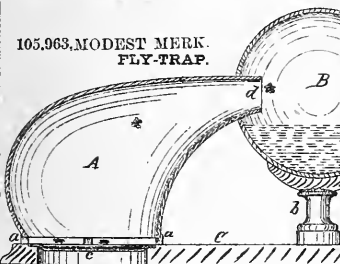
105,962 FENTON A. MEREDITH.

RAILWAY RAILS.

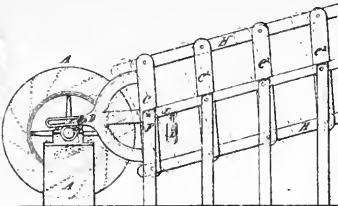


105,963, MODEST MERK.

FLY-TRAP.

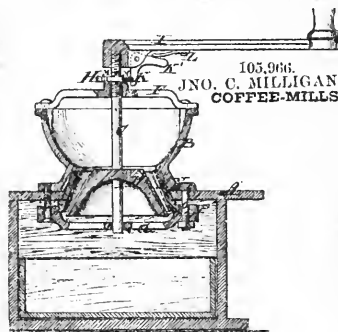
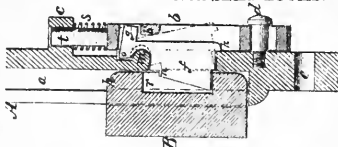


105,964, CHARLES H. MILLER

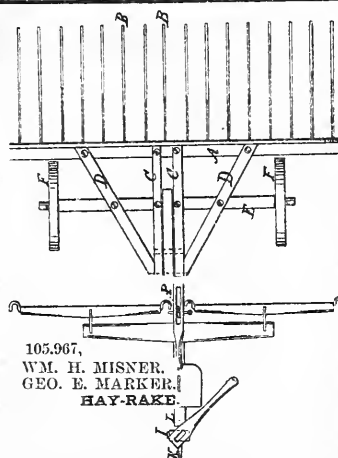
MEANS FOR COMMUNICATING  
MOTION TO MACHINERY

105,965, EZRA MILLER.

CAR-SEAT LOCKS.

105,966.  
JNO. C. MILLIGAN.

COFFEE-MILLS.



105,967,

WM. H. MISNER.

GEO. E. MARKER.

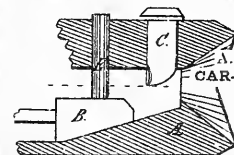
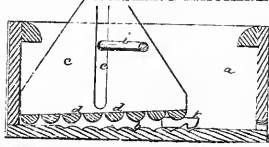
HAY-RAKE

105,968, CONRAD F. MOLL.

MANUFACTURE OF PURE  
CARBONATE OF POTASH.

105,969, JEREMIAH A. MORELOCK.

WASHING-MACHINE.

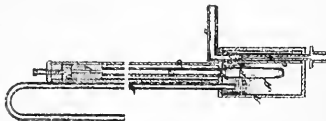


105,970,

A. T. NORGAN.

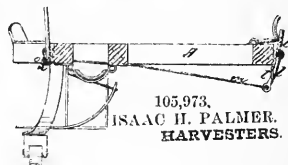
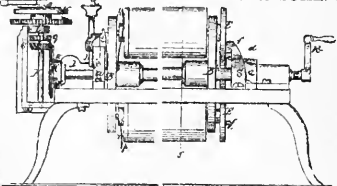
CAR-COUPINGS.

105,971 JAMES M. OSGOOD.

APPARATUS FOR AUTOMATICALLY  
REGULATING THE FLOW OF  
GAS USED IN HEATING VULCANIZERS.

105,972, AMÉDÉE PAILLARD.

MUSICAL BOXES.



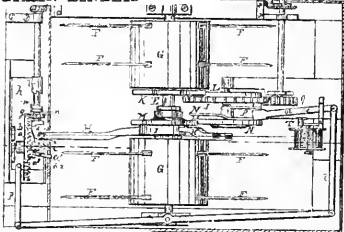
105,973.

ISAAC H. PALMER.

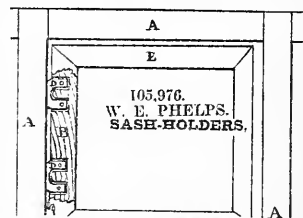
HARVESTERS.

105,974. W. H. PAYNE.

GRAIN BINDER.



105,975, FREDERIC M. PERRY.

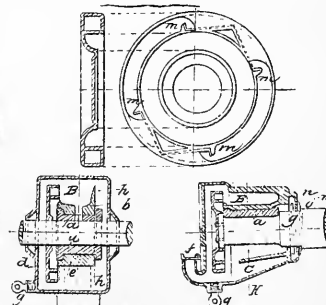
CUT-OFF FOR RELAYS AND OTHER  
ELECTRO-MAGNETIC INSTRUMENTS.

105,976.

W. E. PHELPS.

SASH-HOLDERS.

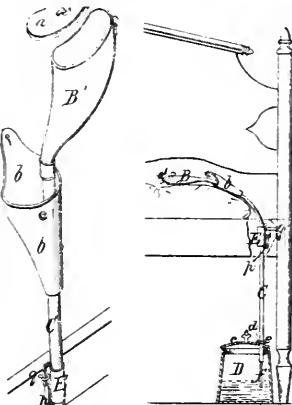
105,977, J. M. PIET.

LUBRICATING APPARATUS FOR  
AXLE AND JOURNAL-BOXES.

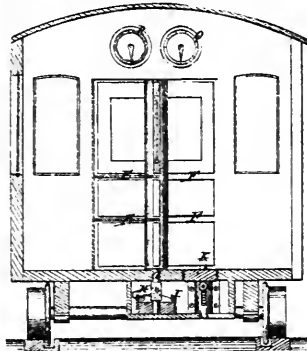
105,978. SAMUEL M. PORTER.  
EYELETS FOR FASTENING BUTTONS.



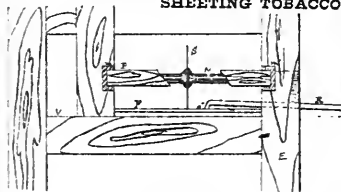
105,979. DANIEL PRIOR.  
URINAL ATTACHMENT TO A BED.



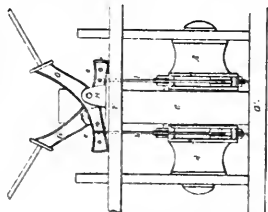
105,980. JOHN RHOADS.  
PASSENGER-REGISTER FOR VEHICLES



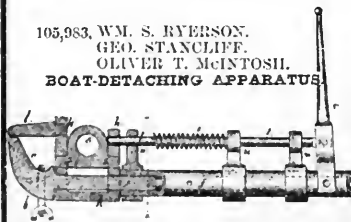
105,981. G. W. RUCKER.  
O. C. SWAN. MACHINE FOR  
T. W. RUCKER. PRESSING AND  
SHEETING TOBACCO



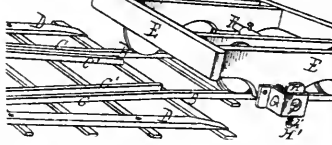
105,982.  
ALBERT RUSSELL.  
WINDGLASSES.



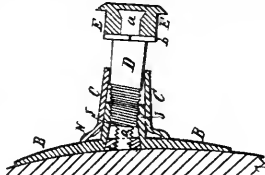
105,983. WM. S. RYERSON.  
GEO. STANCLIFF.  
OLIVER T. MCINTOSH.  
BOAT-DETACHING APPARATUS.



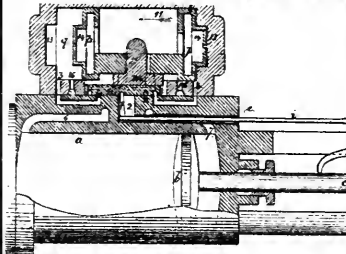
105,984. ADDISON V. SANFORD.  
ADJUSTABLE RAILWAY TRUCKS.



105,985. ANSON SEARLS.  
TOP-PROPS FOR CARRIAGES



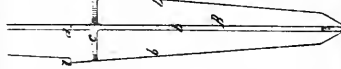
105,986. WM. C. SELDEN.  
VALVES FOR STEAM-ENGINES.



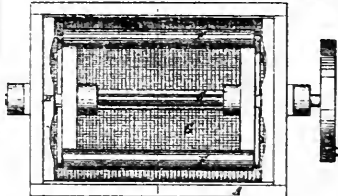
105,987. F. C. SENSEMAN. PAPER-FILES



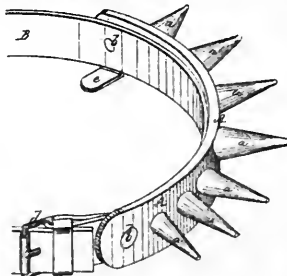
105,988. C. J. SHUTTLEWORTH.  
FENCE-POSTS.



105,989. GEO. SIDLEY.  
SIFTING-MACHINES.



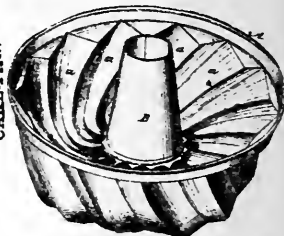
105,990. JOHN SMITH.  
INTERFERING-PAD FOR HORSES.



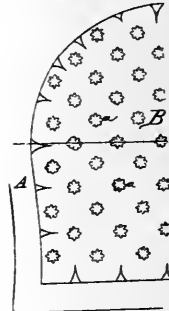
105,991. J. HARRY SMITH. CAKE-PANS.



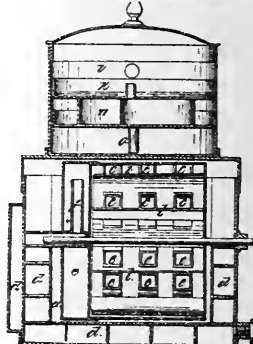
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J. HARRY SMITH.  
CAKE-PAN.



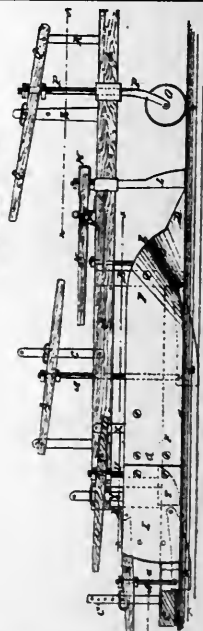
105,993. SILAS ALLEN SNYDER.  
METALLIC CHAIR-SEAT.



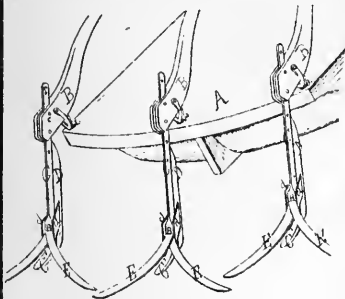
105,994.  
JAMES F. SPENCE.  
APPARATUS FOR  
CARBURETING AIR.



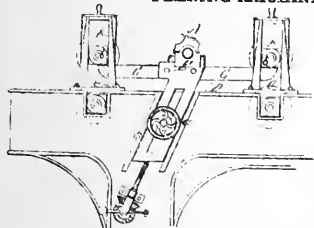
105,995.  
ANDREW J. STEPHENS.  
DITCHING-MACHINE.



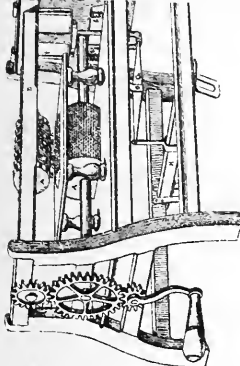
105,996, PETER J. STONE.  
APPARATUS FOR CUTTING  
GRASS UNDER WATER.



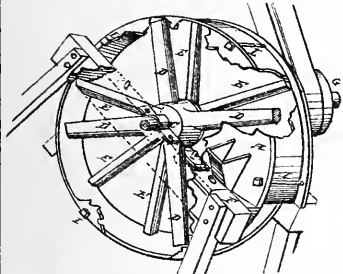
105,997, WILLIAM TEAL.  
PLANING-MACHINE.



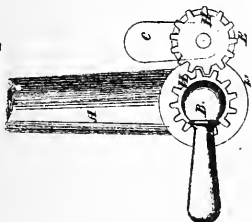
105,998, EDWIN THOMAS.  
MACHINE FOR CUSHIONING  
AND VENTILATING LEATHER



105,999, WILLIAM CARROLL THOMPSON.  
SMUT-MILLS



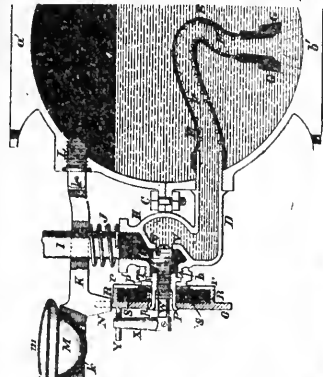
106,000,  
HENRY B. TIFFANY.  
FAUCETS.



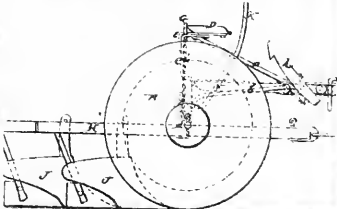
106,001, FREDERICK H. TREVITHICK, JR.  
RAILWAY CAR-WHEEL.



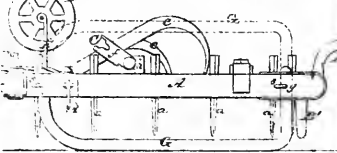
106,002, W. P. VAN DEURSEN.  
WILLIAM C. DAVIS.  
AUTOMATIC FIRE-EXTINGUISHERS  
FOR RAILROAD CARS, &c



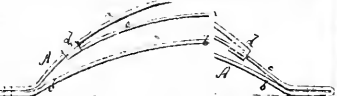
106,003, JAMES L. VAN GORDER.  
SULKY-PLOWS



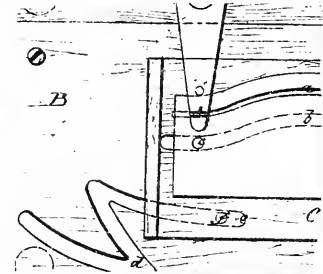
106,004, JACOB R. WAGNER.  
COMBINED HARROW, CULTIVATOR,  
WHEELBARROW, AND SLED.



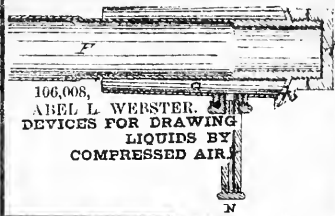
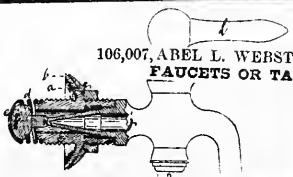
106,005, ROBERT E. WALKER.  
CARRIAGE-SPRINGS.



106,006, G. A. WATKINS. SAW-TABLE  
FOR SAWING IRREGULAR FORMS.

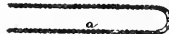


106,007, ABEL L. WEBSTER.  
FAUCETS OR TAPS.

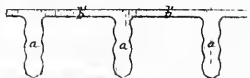


106,008, ABEL L. WEBSTER.  
DEVICES FOR DRAWING  
LIQUIDS BY  
COMPRESSED AIR.

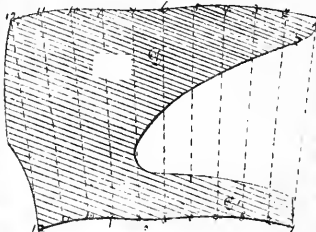
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HAIR-PIN.



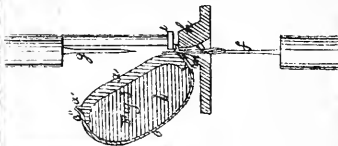
106,010, WILLIAM WICKERSHAM.  
MEANS OF ATTACHING THE  
SOLES TO BOOTS AND SHOES.



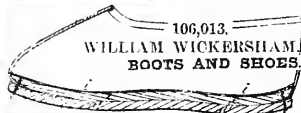
106,011, WILLIAM WICKERSHAM.  
WIRE-DRIVING MACHINE FOR  
MANUFACTURING BOOTS AND SHOES



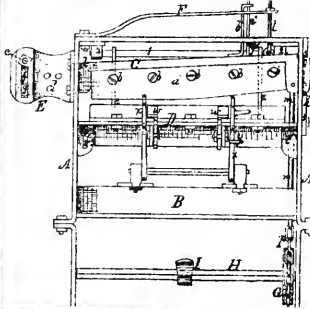
106,012, W. WICKERSHAM  
MANUFACTURE OF BOOTS AND SHOES



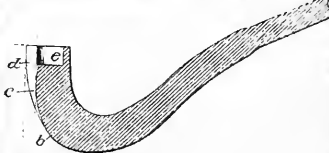
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WILLIAM WICKERSHAM,  
BOOTS AND SHOES.



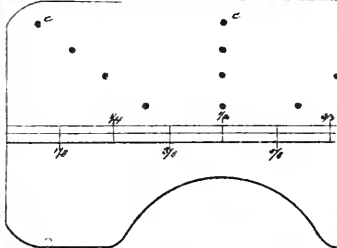
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STAVE-JOINTING MACHINE.



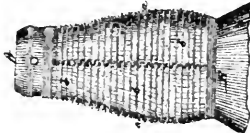
106,015, B. B. WOOD. SPIKE-DRAWER.



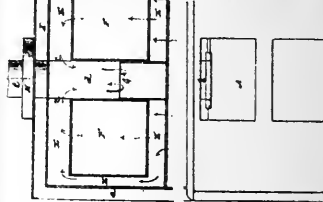
106,016, ROYAL L. WOODBURY.  
LAP-BOARD FOR DRESS-MAKERS.



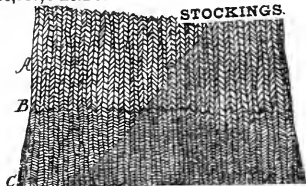
106,021, JAMES H. ANDERSON.  
BROOMS, &c.



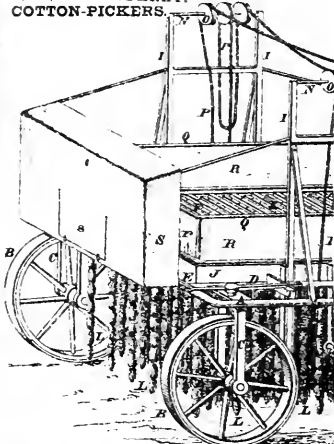
106,027, DANIEL BOSWORTH.  
COOKING-RANGE.



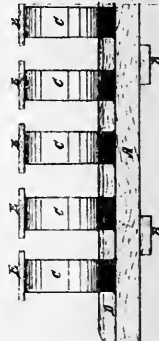
106,017, FERDINAND WOODWARD.  
STOCKINGS.



106,022, WM. AUPEPLY.  
COTTON-PICKERS.



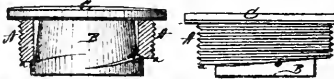
106,028, SILAS M. BROOKS.  
SPRING BED-BOTTOM.



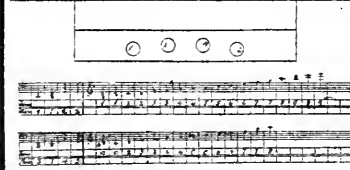
106,018, CARL FRIEDRICH ZIMMERMANN.  
ACCORDEONS.



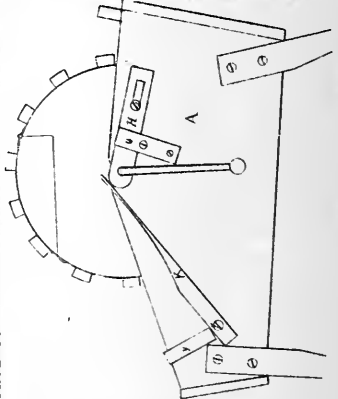
106,023, JOSEPH F. APPEGATE. BUNGS.



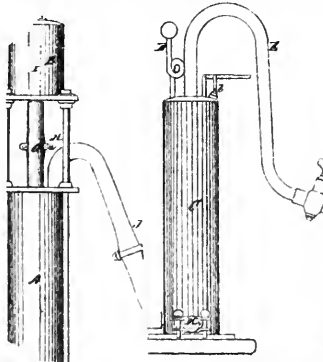
106,024, EUGENE ARNHEIM.  
FABRIC FOR HEAD-COVERINGS.



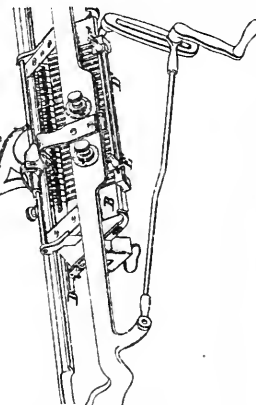
106,029, DANIEL BROY.  
WASHING-MACHINE.



106,019, T. AHRENS.  
PRESERVING AND DELIVERING BEER,  
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MEANS OF CARBONIC-ACID GAS.



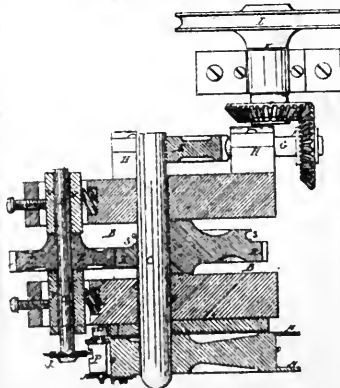
106,025,  
VAINUM G. ARNOLD.  
KNITTING-MACHINES.



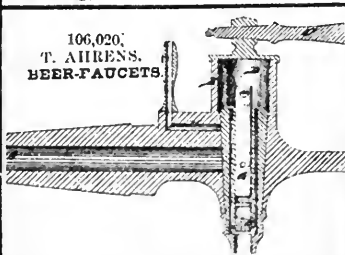
106,030, ANDREW BURKE.  
BOOTS AND SHOES.



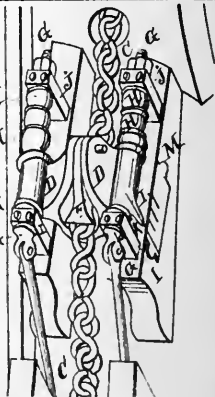
106,026, JOS. B. BLANCHARD.  
MACHINES FOR  
MANUFACTURING NEEDLES.

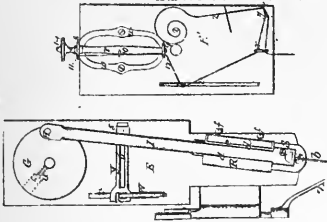
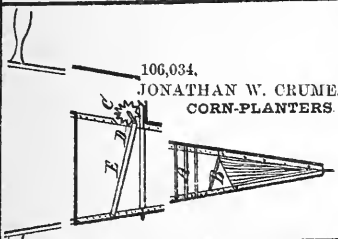
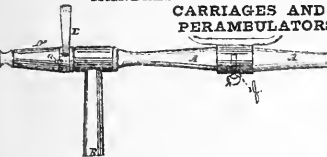
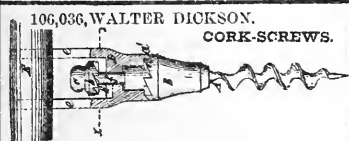
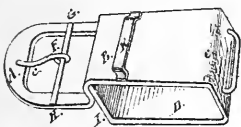
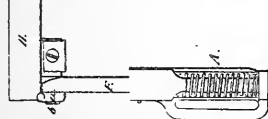
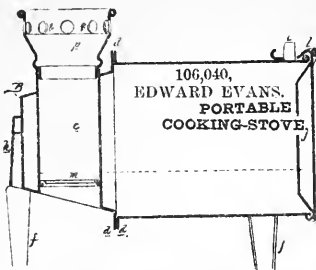
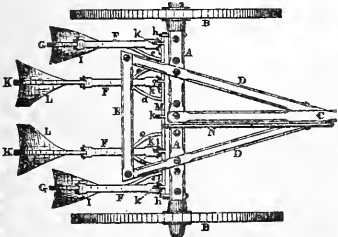
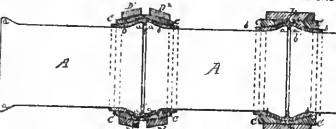
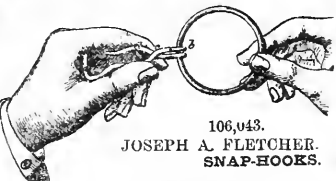
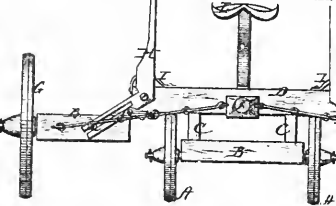
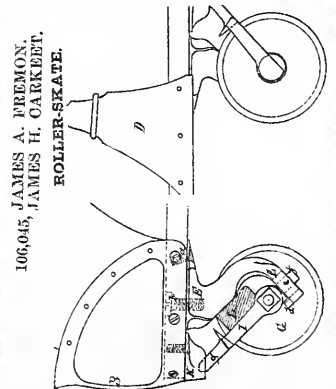
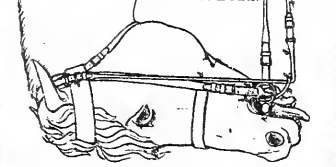
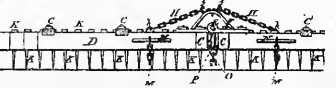
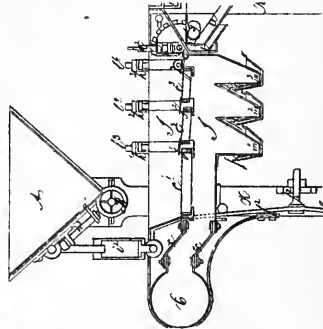
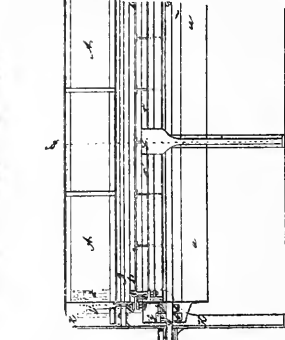
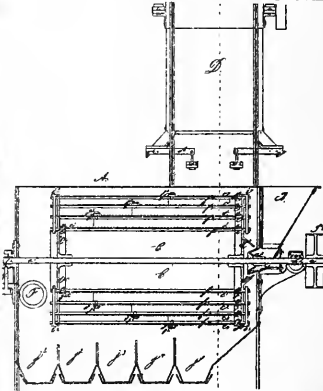
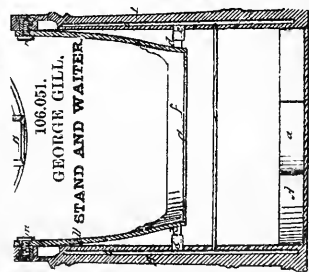


106,020,  
T. AHRENS.  
BEER-FAUCETS.

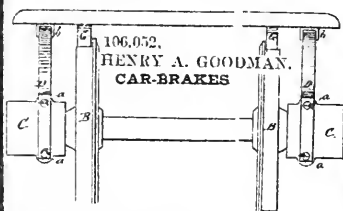


106,031,  
ETHAN R. CHENEY,  
JOHN T. EMERY.  
CABLE-STOPPERS.



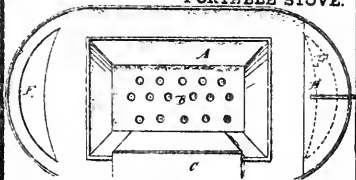
106,032, JOHN V. COON.  
SEWING-MACHINES.106,033, WM. E. CRANDALL.  
HANDLES FOR CHILDREN'S  
CARRIAGES AND  
PERAMBULATORS.106,034,  
JONATHAN W. CRUME.  
CORN-PLANTERS.106,035, S. A. DARRACH  
FENCE POST.106,036, WALTER DICKSON.  
CORK-SCREWS.106,037, RICHARD M. DILL.  
TRACE-HOLDER FOR HARNESS.106,038, WARREN WHITNEY DUTCHER.  
LOOM-TEMPLE.106,039, JEFFERSON ESHLEMAN.  
WHEEL CULTIVATORS.106,040,  
EDWARD EVANS.  
PORTABLE  
COOKING-STOVE.106,041, LOUIS ALEXANDRE FARJON.  
PIPE-COUPPLINGS.106,042, STEPHEN D. FISHER.  
SEED-MARKER.106,043,  
JOSEPH A. FLETCHER.  
SNAP-HOOKS.106,044, MASCULINE FOREACRE.  
BRIDLE-BITS.106,045, JAMES A. FREMON.  
JAMES H. CARKNET.  
ROLLER-SKATE.106,046, AUGUST FRIEDEMANN.  
HARROWS.106,047, ROBERT GEORGE.  
MACHINE FOR SEPARATING MINERAL  
AND FOSSIL SUBSTANCES.106,048, ROBERT GEORGE.  
MACHINE FOR SEPARATING AND  
CONCENTRATING ORES AND  
OTHER MATERIALS OF DIFFERENT  
SPECIFIC GRAVITIES.106,049, ROBERT GEORGE.  
APPARATUS FOR SEPARATING AND  
CONCENTRATING ORES.106,050, ABNER R. GILES.  
CARRIAGE-JACKS106,051,  
GEORGE GILL.  
STAND AND WAITER.



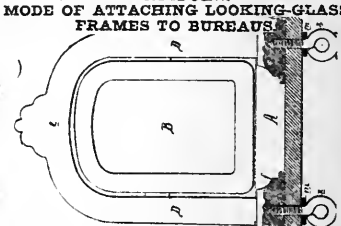


106,052.  
HENRY A. GOODMAN.  
CAR-BRAKES

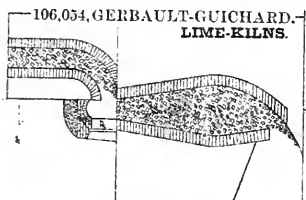
106,059 MORTIMER S. HARSHA.  
WM. M. VAN NORTWICK.  
PORTABLE STOVE.



106,065, CHENEY KILBURN.  
MODE OF ATTACHING LOOKING-GLASS  
FRAMES TO BUREAUS.

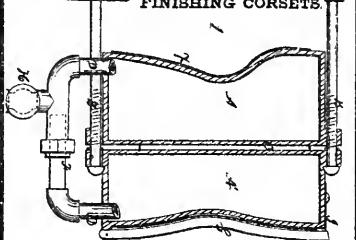


106,053, HENRY GROGAN.  
LUBRICATING COMPOUNDS.

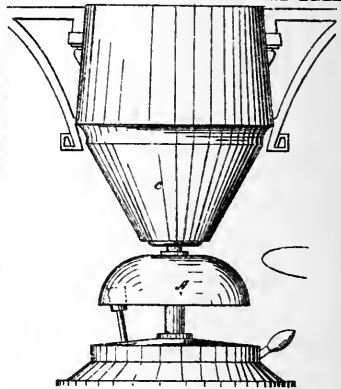


106,054, GERBAULT-GUICHARD.  
LIME-KILNS.

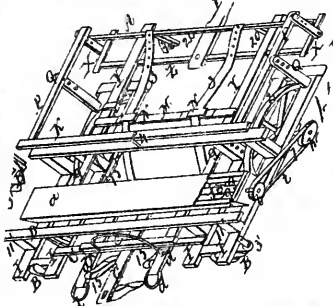
106,060, CHARLES HEPTONSTALL.  
STEAM FORMER FOR SHAPING AND  
FINISHING CORSETS.



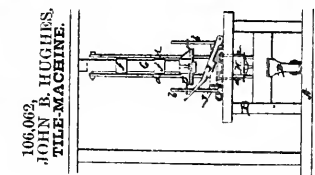
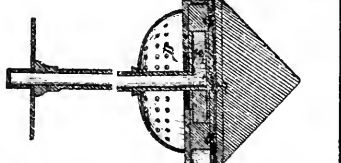
106,066, THOMAS LEACH, CUP AND BELL.



106,055, HENRY HAINES.  
COMBINED SEEDER AND CULTIVATOR.

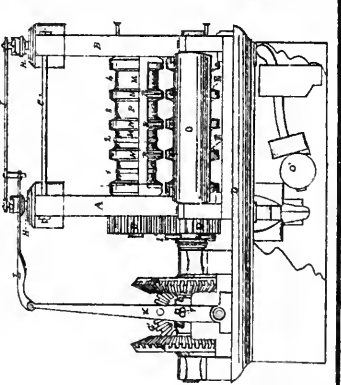


106,061, ROBERT A. HORNING.  
ROTARY PUMPS.

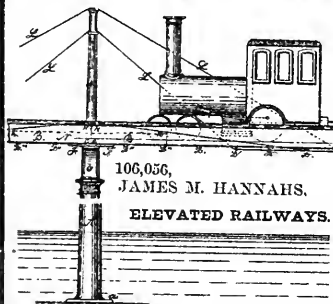
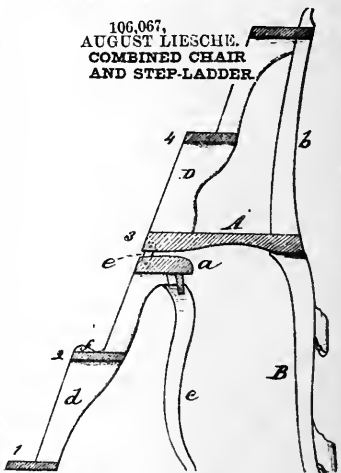


106,062, JOHN B. HUGHES.  
TILE-MACHINE.

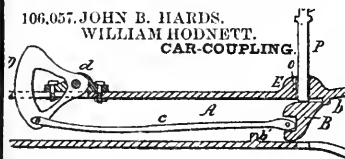
106,063, DAVID I. JONES, ROLLING-MILLS.



106,067, AUGUST LIESCHE.  
COMBINED CHAIR  
AND STEP-LADDER.



106,056, JAMES M. HANNAHS.  
ELEVATED RAILWAYS.

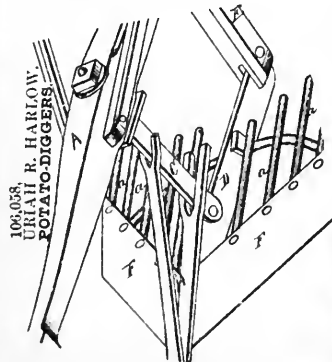
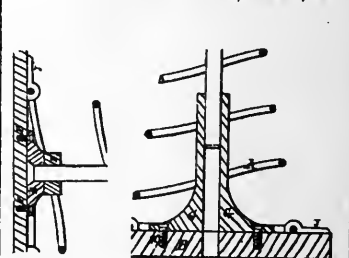


106,057, JOHN B. HARDS.  
WILLIAM HODNETT.  
CAR-COUPLING.

106,068, HENRY LOEWENBERG.  
MANUFACTURE OF IMITATION  
BRAIDS, TRIMMINGS, &c.

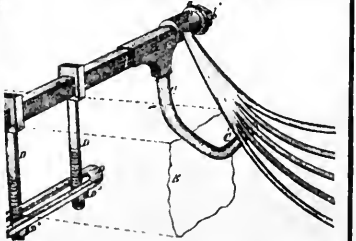


106,069, WILLIAM LORD  
SPRING FOR BEDS, SOFAS, &c.

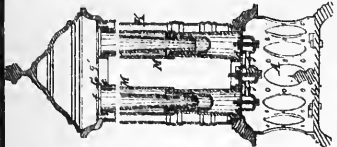
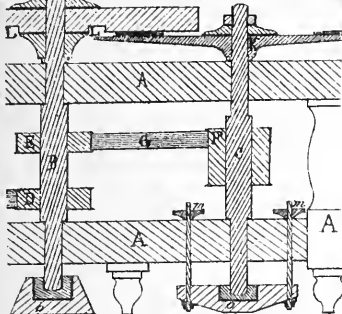


106,058, URIAH R. HARLOW.  
POTATO-DIGGERS

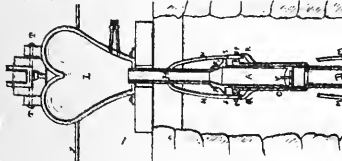
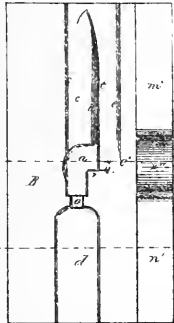
106,064, WILLIAM B. KIDDER.  
CLOD-FENDERS FOR PLOWS.



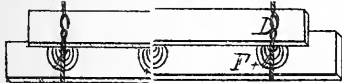
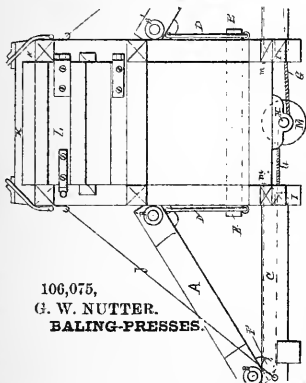
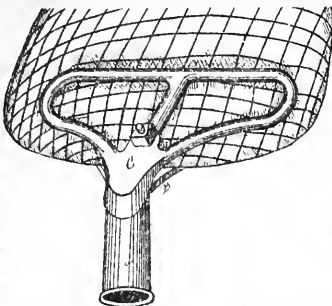
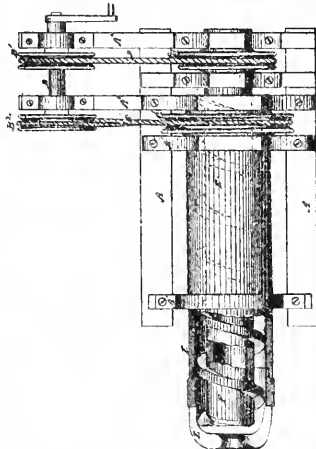
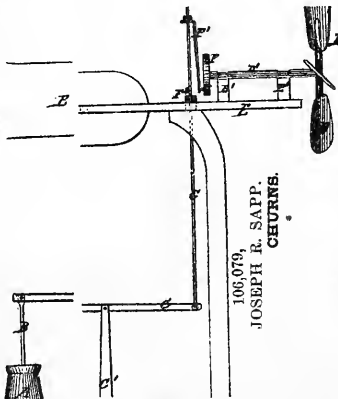
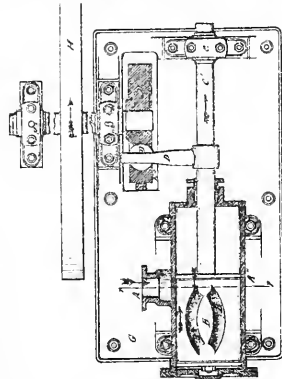
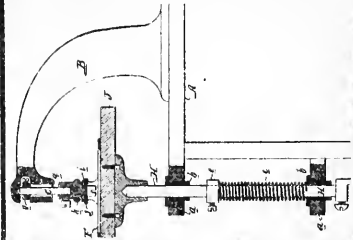
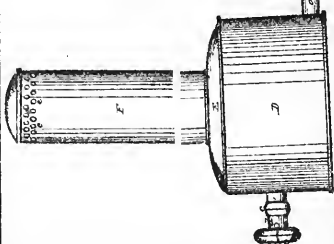
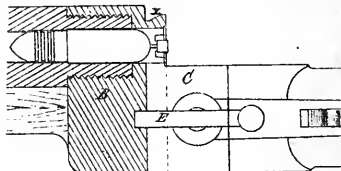
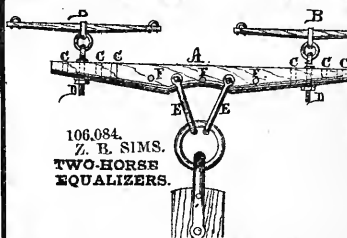
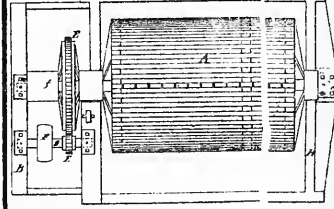
106,070, JOHN LUNDGREN. GAS HEATER.

106,071, DAVID M. MEFFORD.  
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HAND-SAW BLADES.

106,072, CHARLES L. MERRILL. PUMPS.

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WM. H. MILLER.  
GEO. W. MILLER.  
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OF POCKET-CUTLERY.

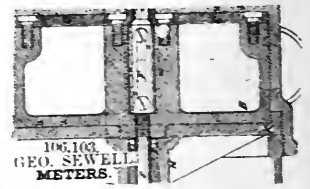
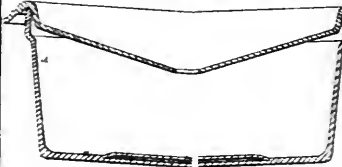
106,074, LANE L. NEWMAN. BED-BOTTOM

106,075,  
G. W. NUTTER.  
BALING-PRESSES.106,076, HENRY DIETRICH OHLSEN.  
COACH-CLEANING SPONGE.106,077, THOMAS W. PURCELL.  
PIPE-BORING MACHINE.106,078, JAMES ROBERTSON.  
MOTIVE-POWER ENGINES.106,079,  
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GEO. F. TURNER.

106,086, ALFRED E. SMITH.  
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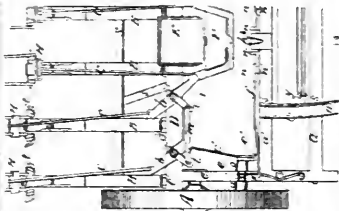


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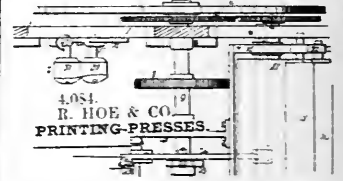
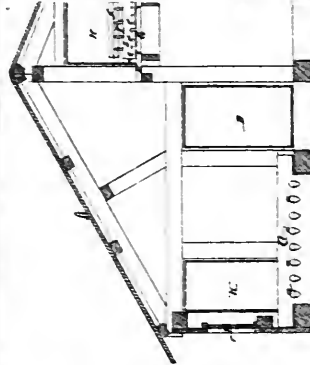


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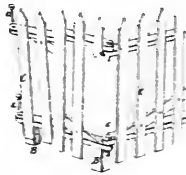


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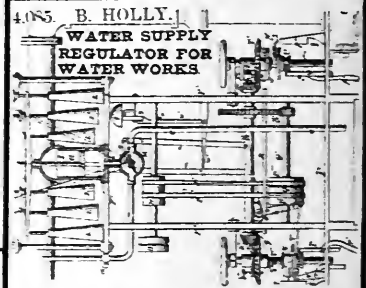
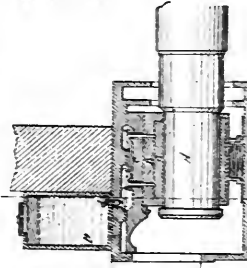


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R. HOE & CO.  
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106,088, JOHN O. SMITH.  
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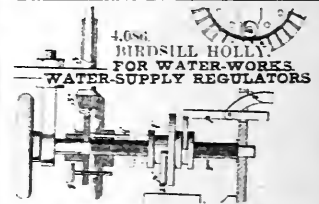
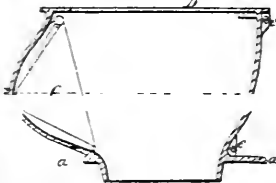


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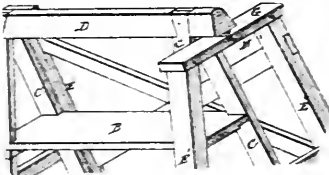
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106,089, W. SMITH. WATER-CLOSET  
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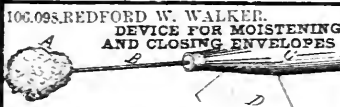


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WATER-SUPPLY REGULATORS

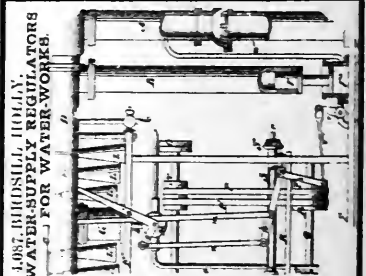
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106,097, CANCELED.



106,098, REDFORD W. WALKER.  
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1,087, BIRDSILL HOLLY.  
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106,091, JOHN STOWE.  
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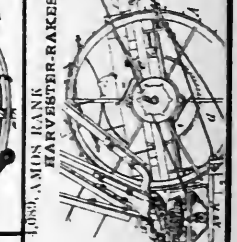
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4,088 N. LADU MODE OF  
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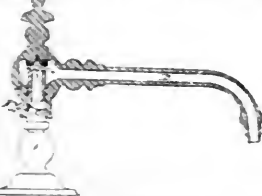


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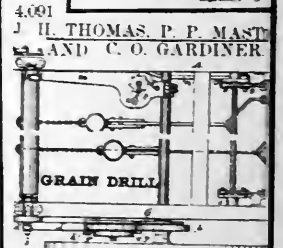
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106,102,  
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4,090, C. H. SANBORN.  
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## ILLUSTRATIONS OF PATENTS

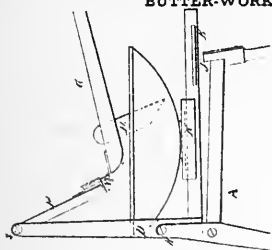
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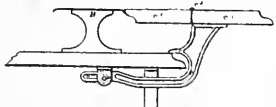
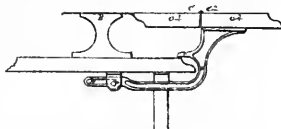
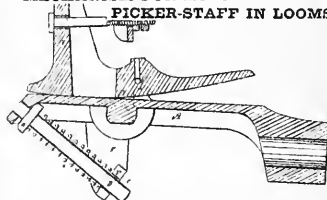
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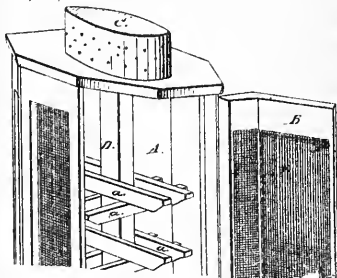
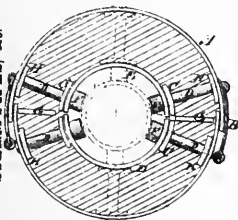
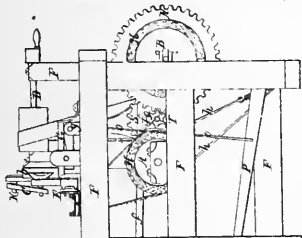
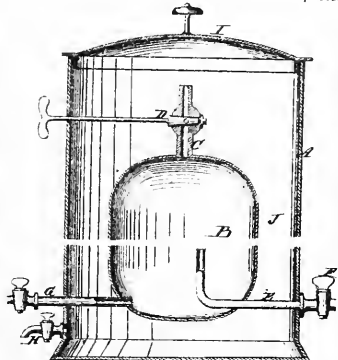
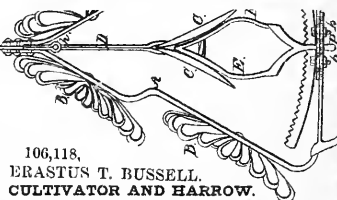
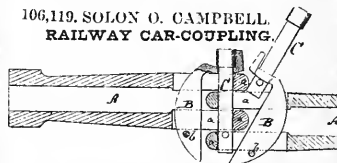
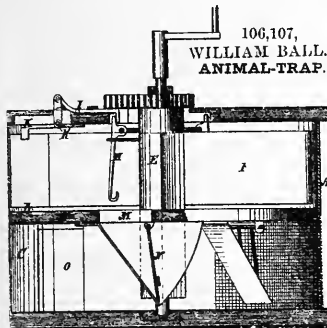
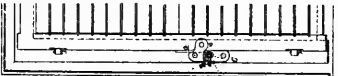
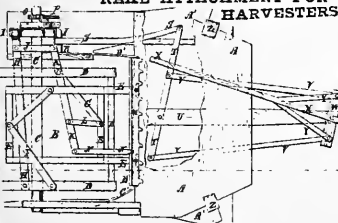
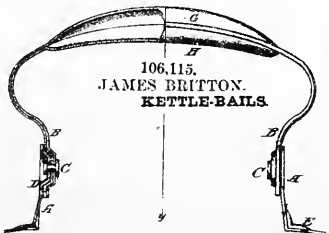
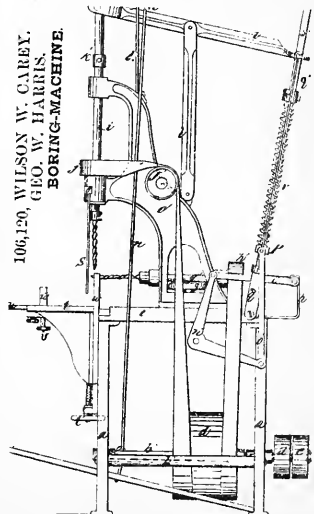
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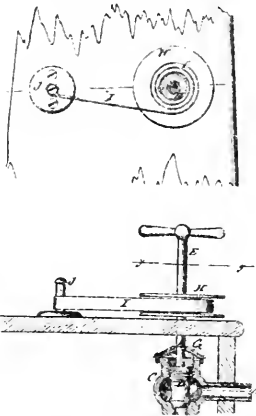
106,109, JAMES BLAKE. SUPPORT FOR TABLES.

106,110, JAMES BLAKE.  
SUPPORT FOR TABLES.106,116, MICAJAH C. BURLEIGH.  
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PICKER-STAFF IN LOOMS.

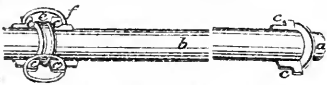
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106,105,  
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106,121, JOSIAH W. CARNEY.  
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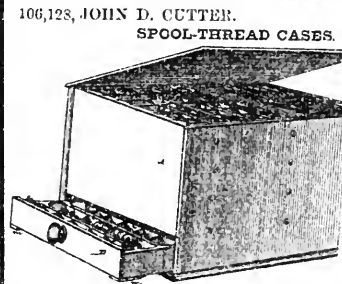
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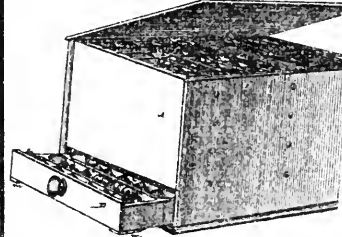
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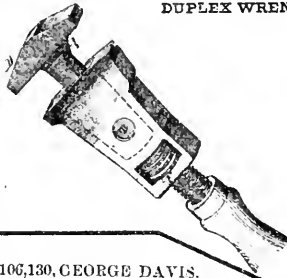
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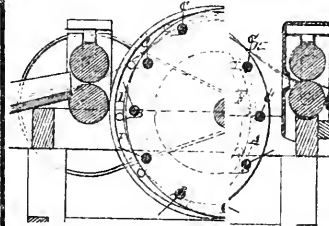
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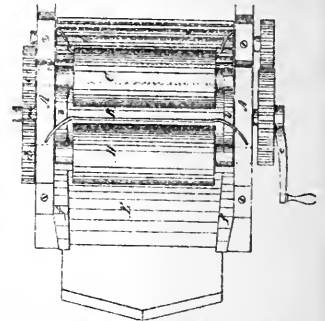
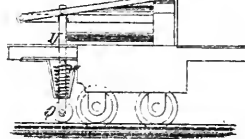
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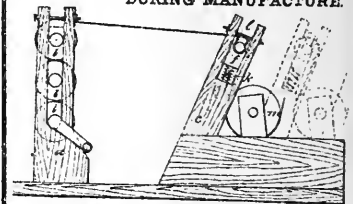
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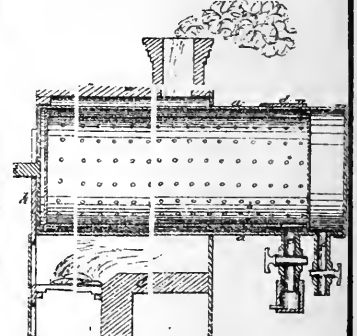
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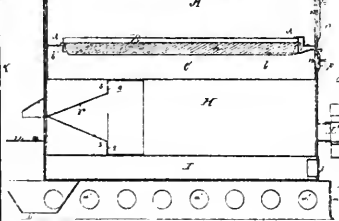
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ATTACHMENT TO PAPER-MACHINES  
TO PREVENT THE STRAINING  
AND BREAKING OF THE PAPER  
DURING MANUFACTURE.



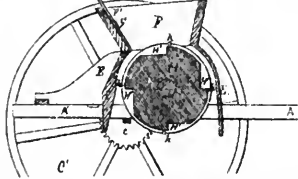
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BOILER FOR REDUCING FIBROUS  
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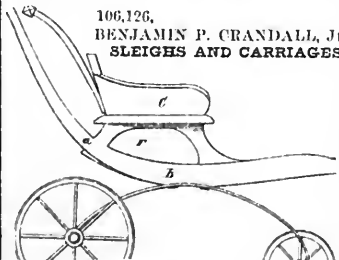
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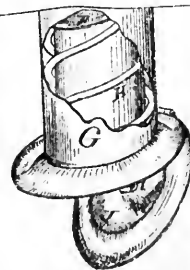
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MANURE-CARTS.



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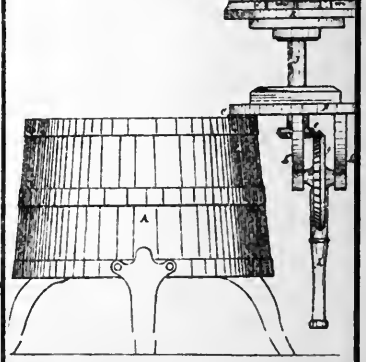


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AUTOMATICALLY  
OPERATED  
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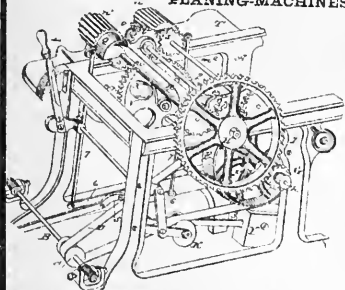
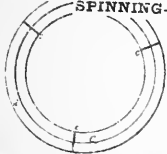
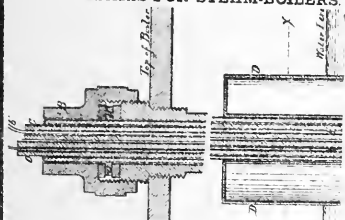
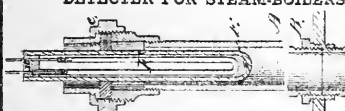
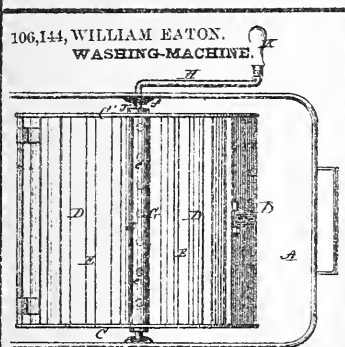
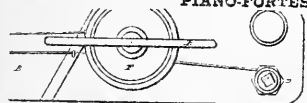
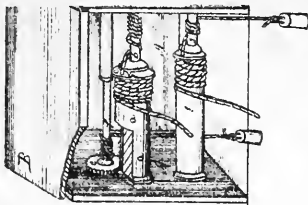
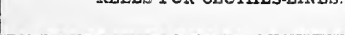
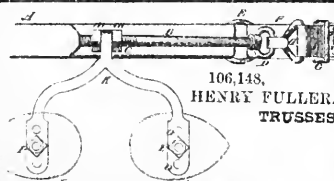
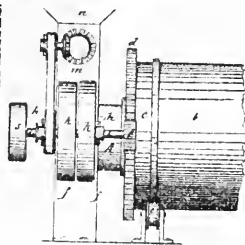
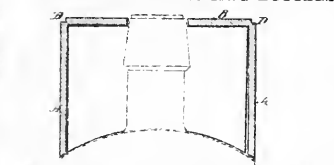
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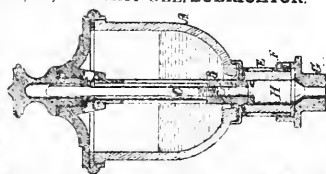
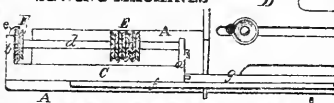
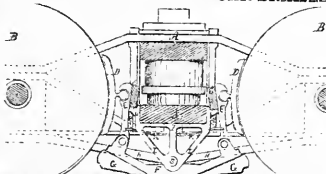




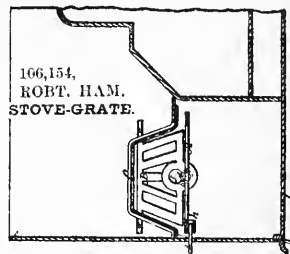
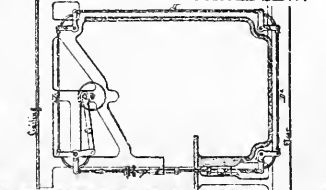
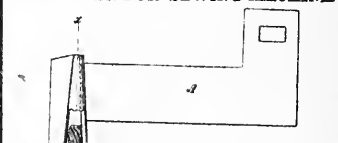
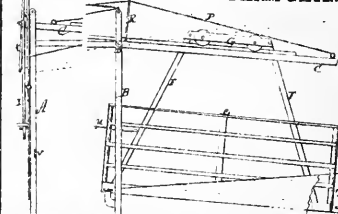
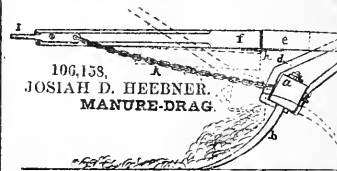
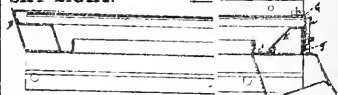
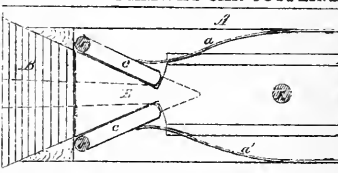
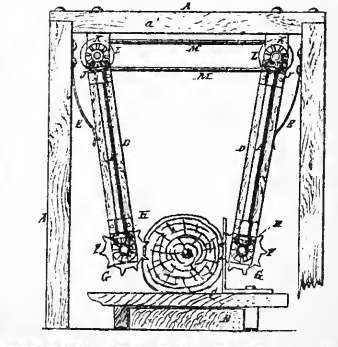
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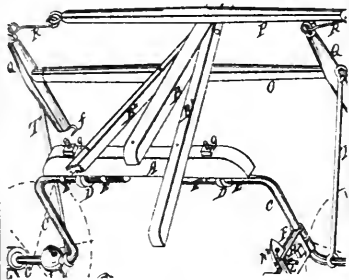
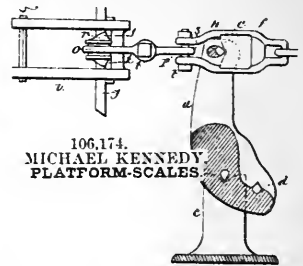
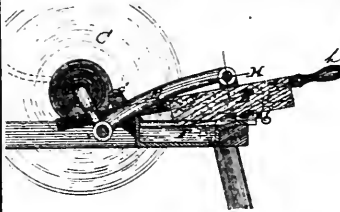
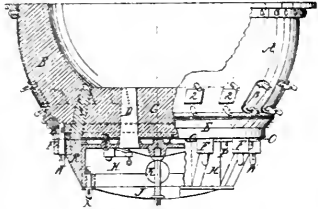
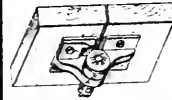
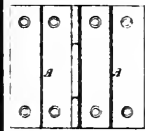
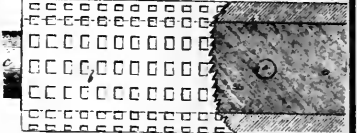
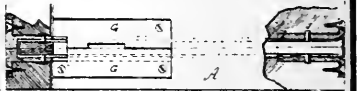
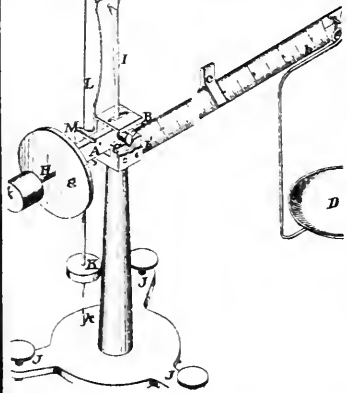
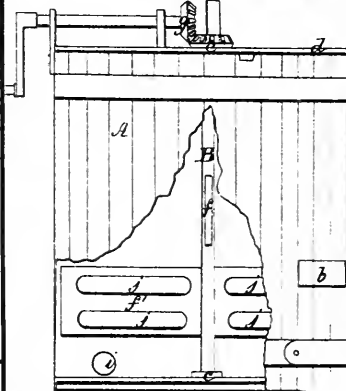
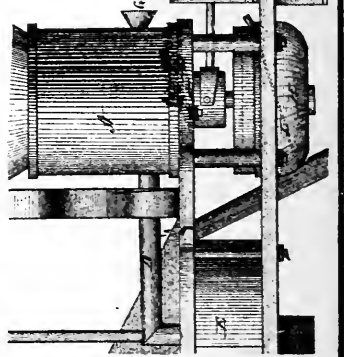
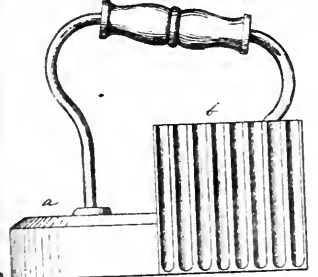
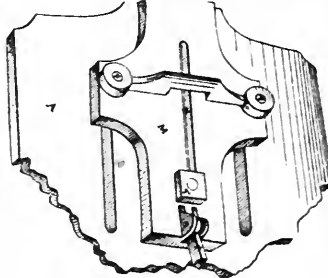
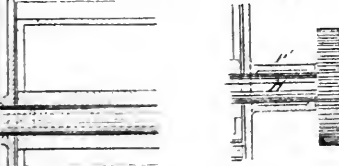
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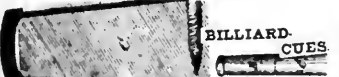
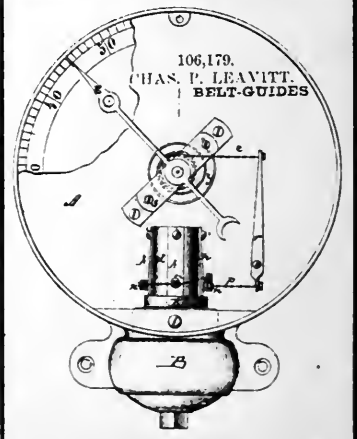
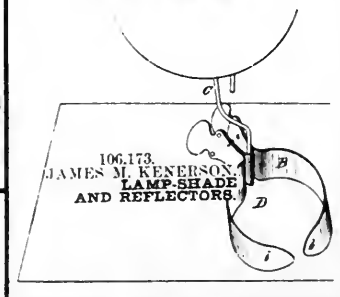
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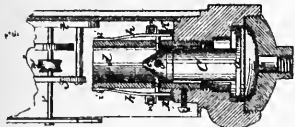
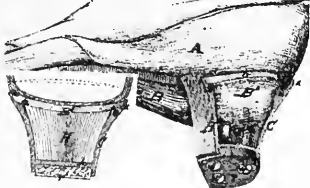
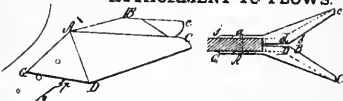
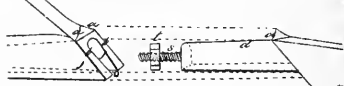
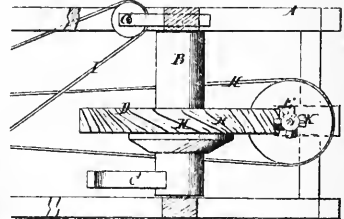
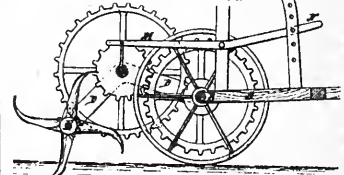
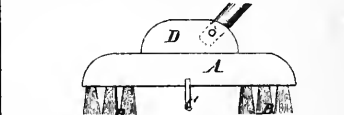
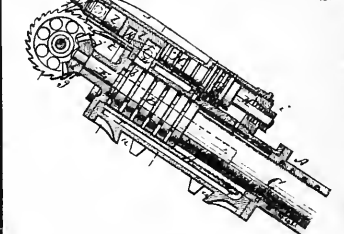
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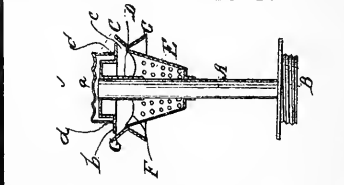
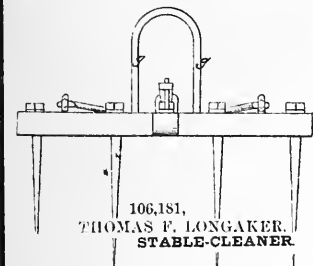
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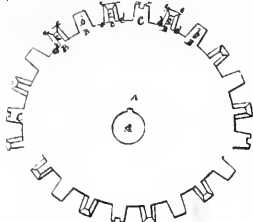
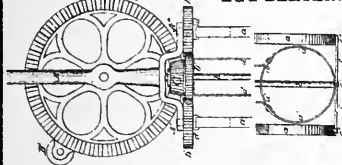
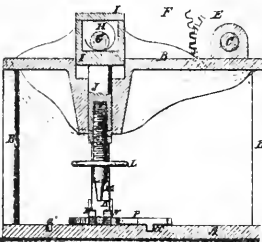
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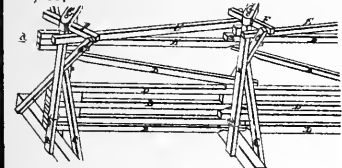
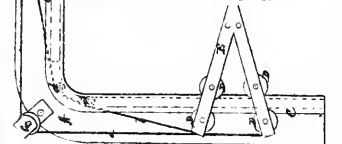
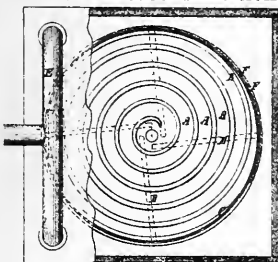
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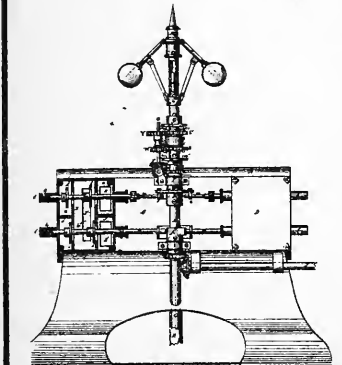
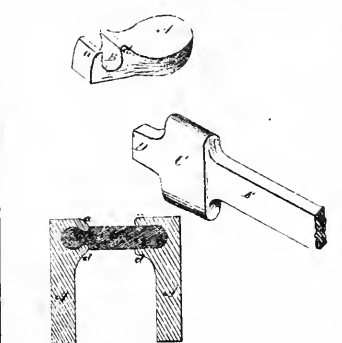
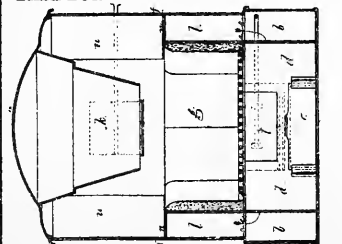
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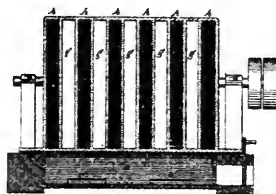
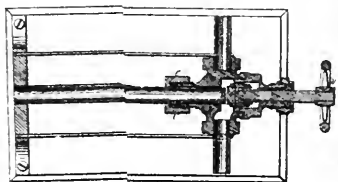
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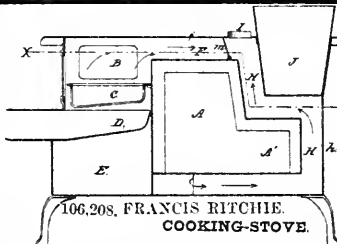
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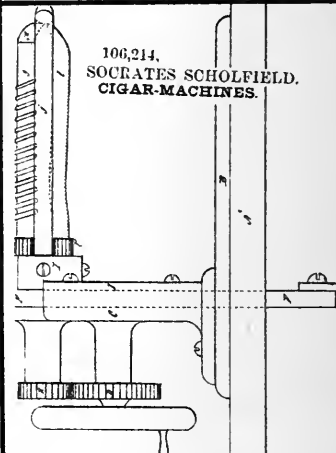


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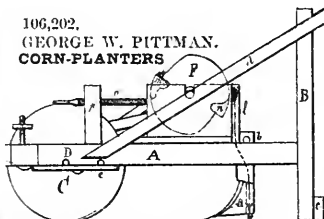
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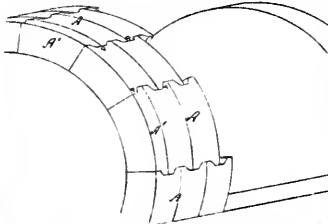


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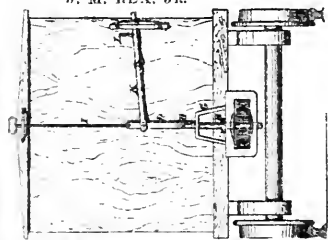
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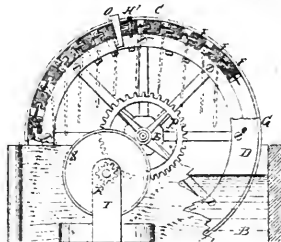
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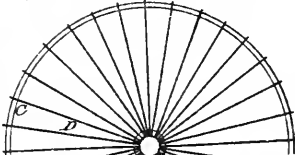
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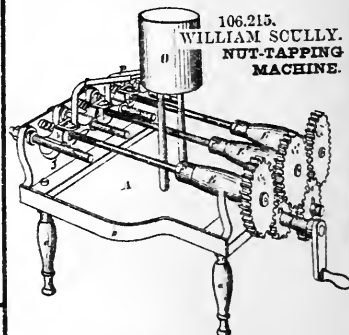
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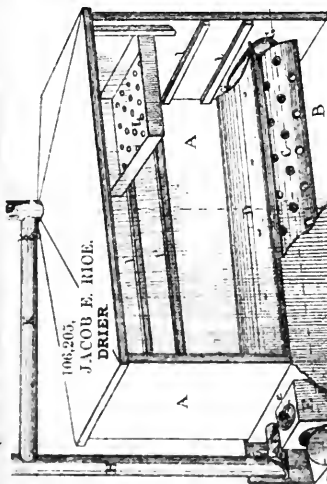
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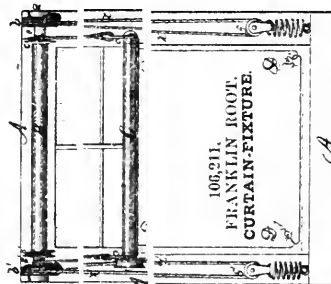
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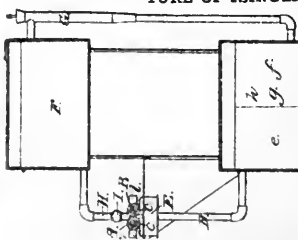


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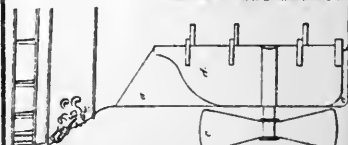


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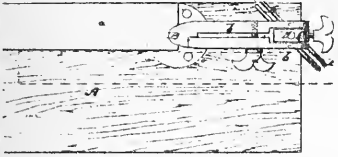


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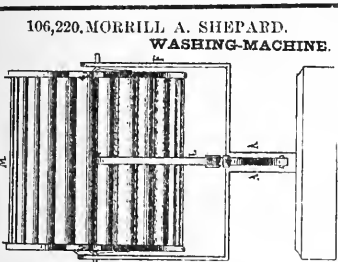


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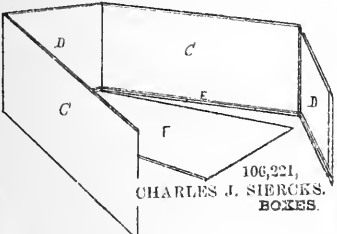
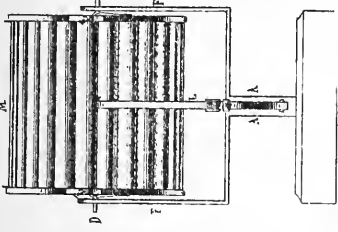
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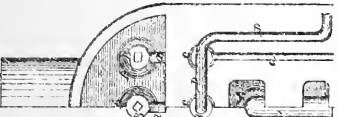


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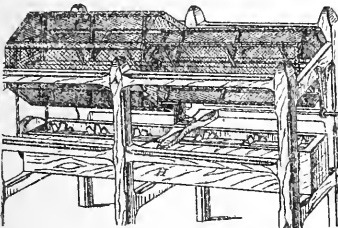


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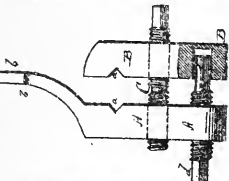
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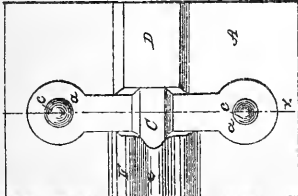
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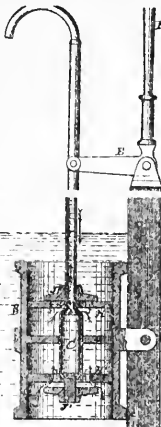
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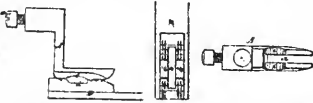
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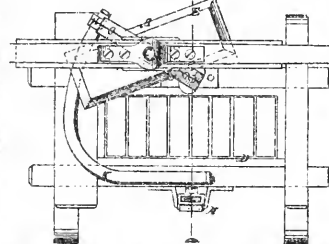
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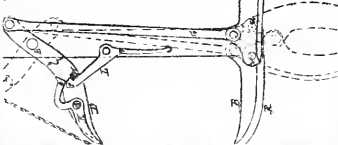
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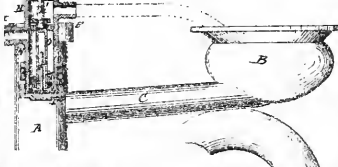
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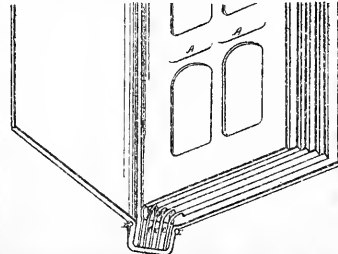
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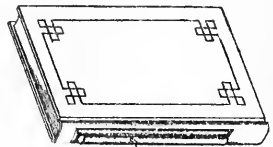


106,232, J. F. TAPLEY.  
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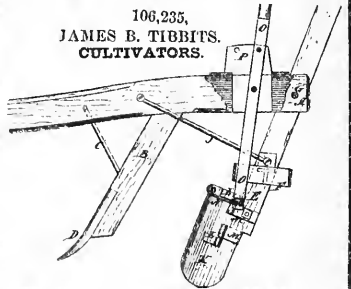


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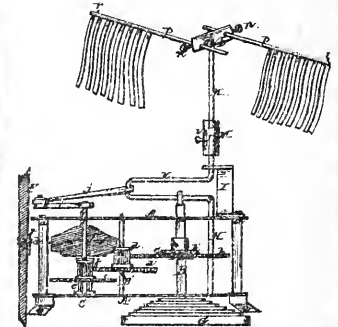
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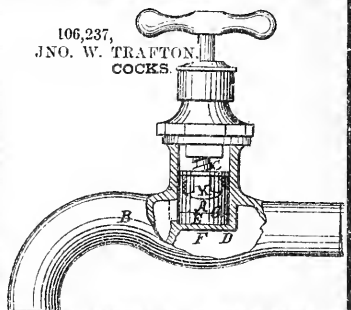
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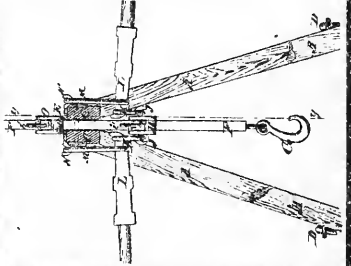
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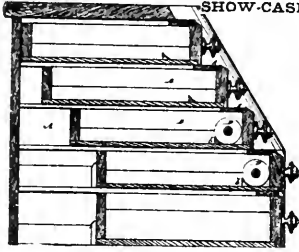
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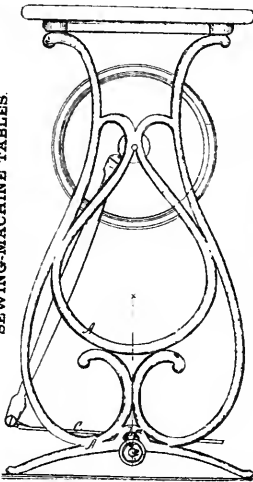
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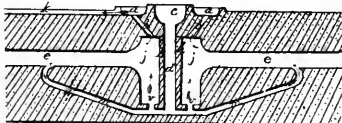
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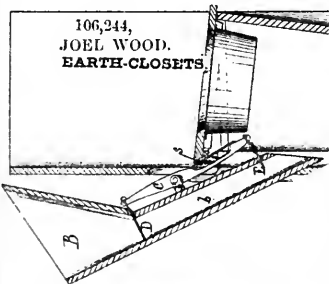
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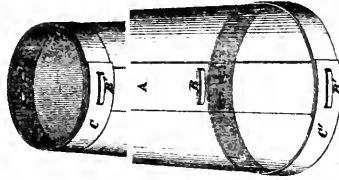
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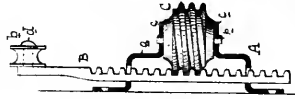
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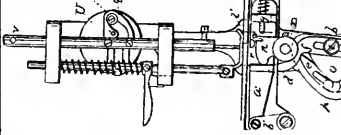
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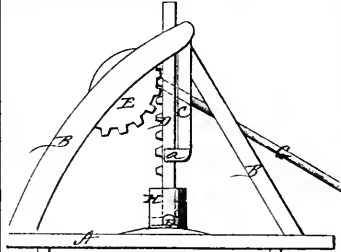
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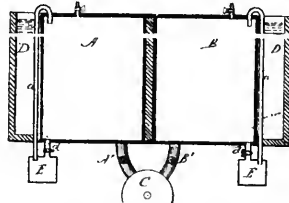
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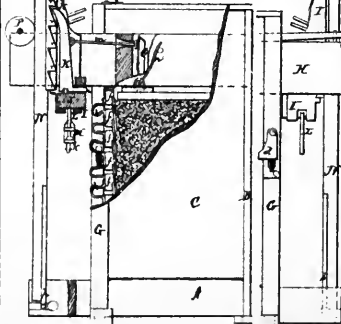
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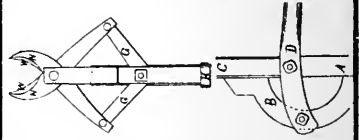
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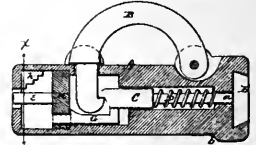
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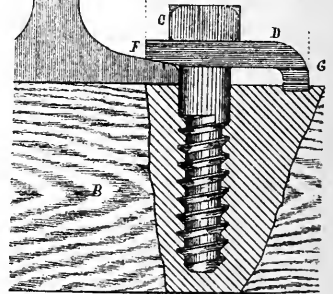
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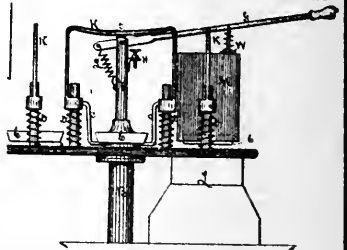
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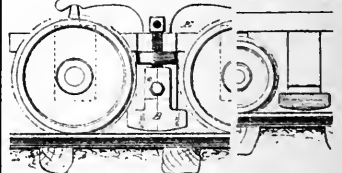
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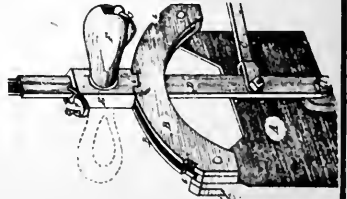
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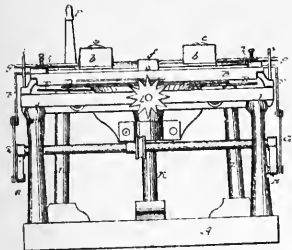
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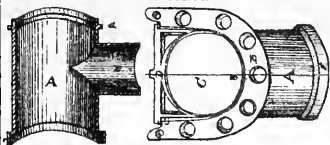
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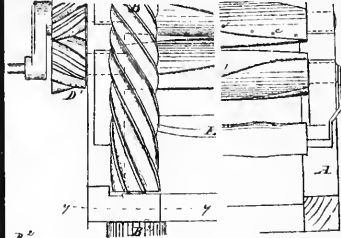
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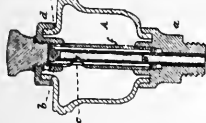
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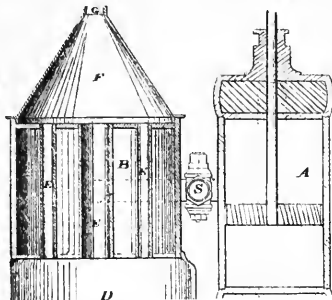
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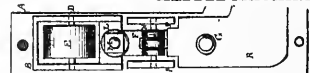
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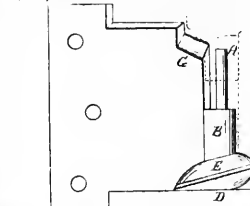
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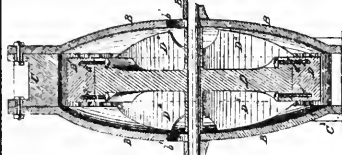
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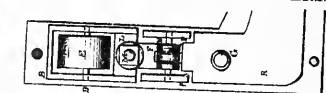


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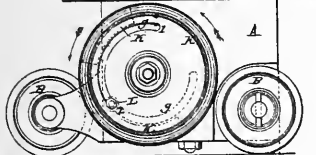


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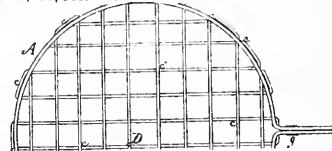
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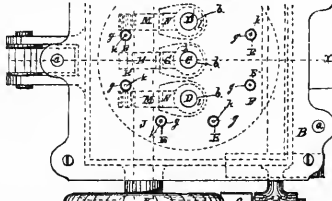
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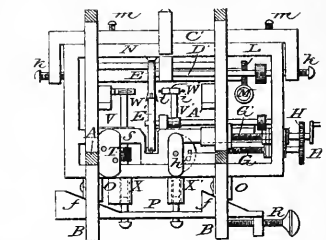
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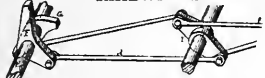
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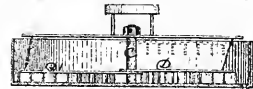
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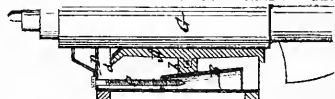
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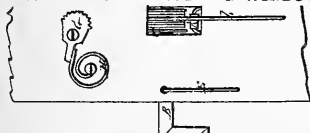
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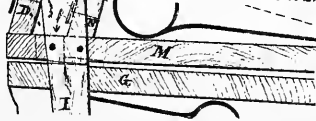
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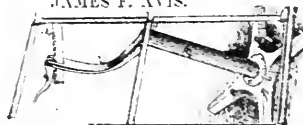


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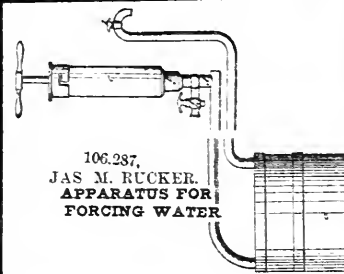
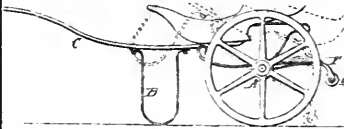
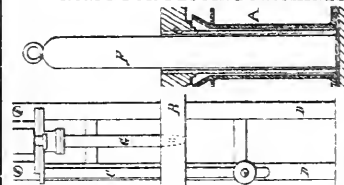
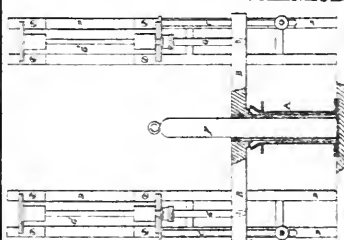
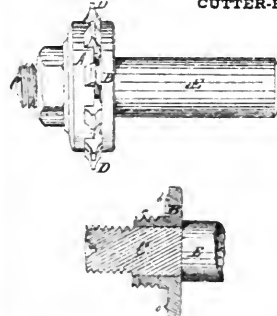
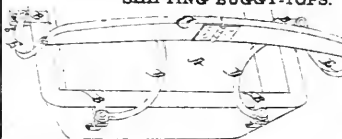
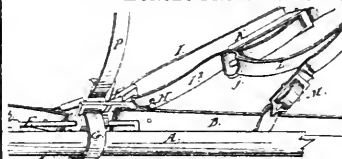
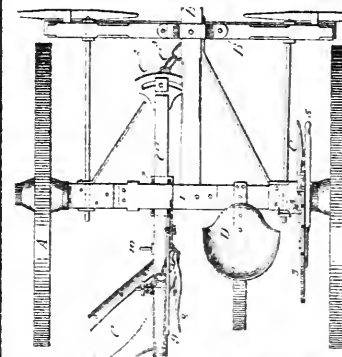
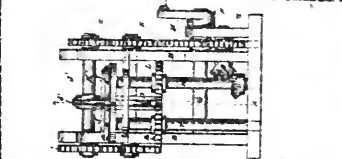
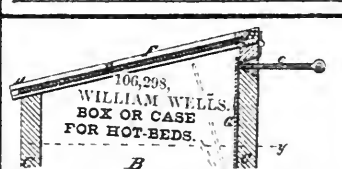
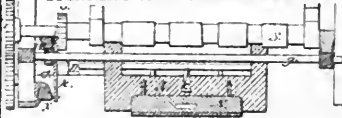
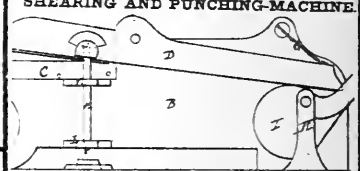
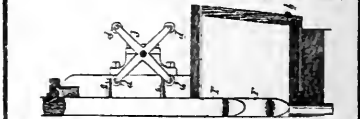


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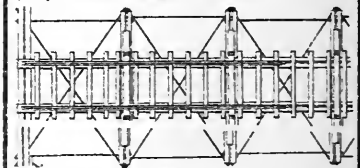
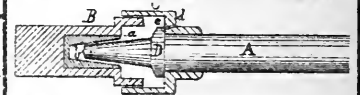
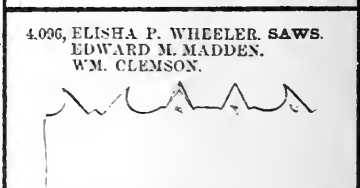
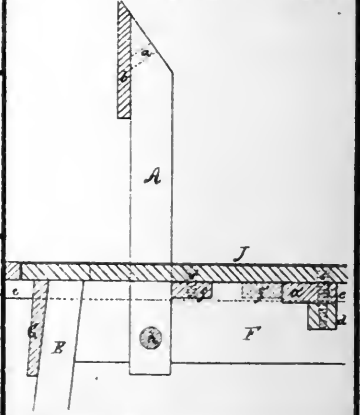


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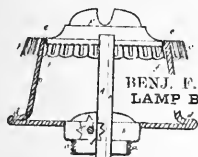
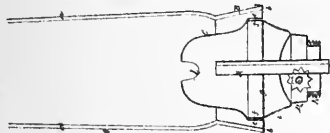
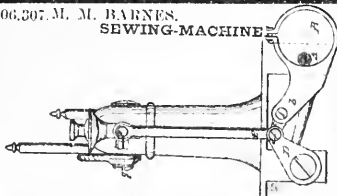
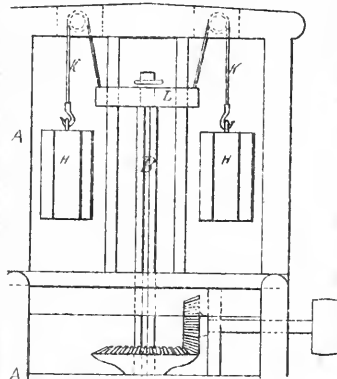
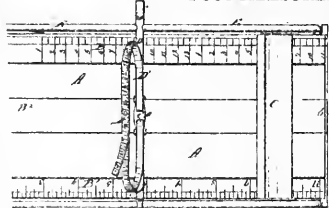
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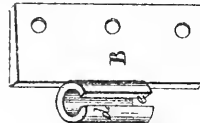
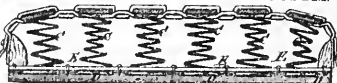
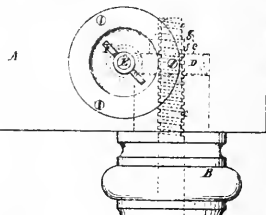
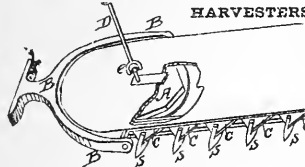
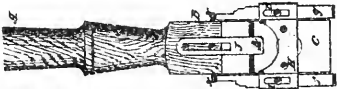
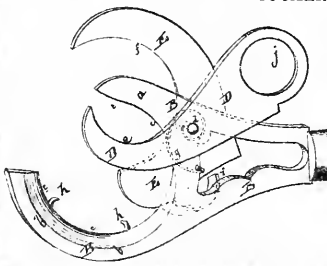
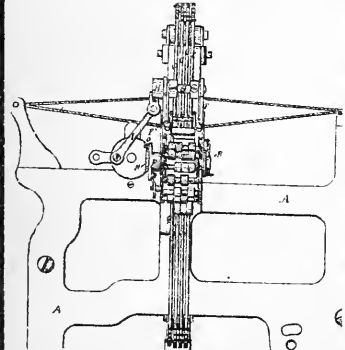
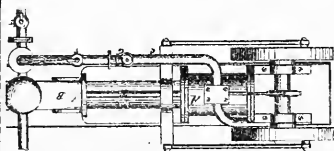
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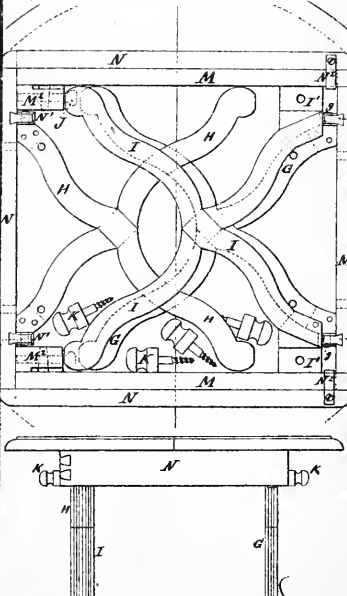
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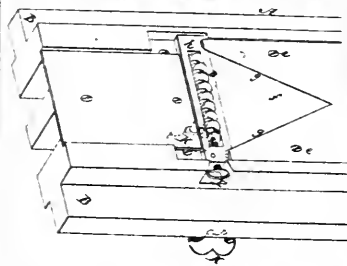
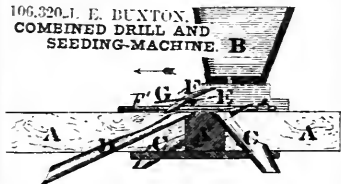
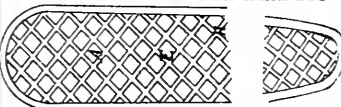
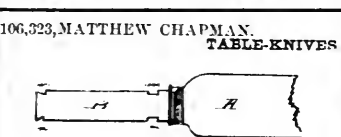
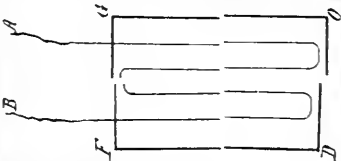
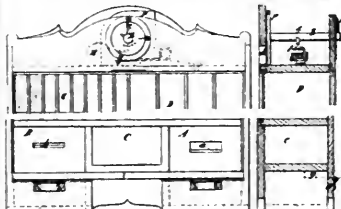
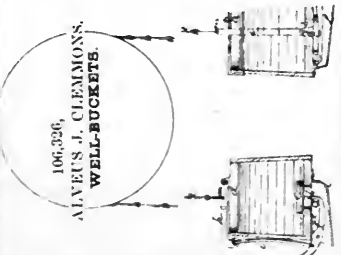
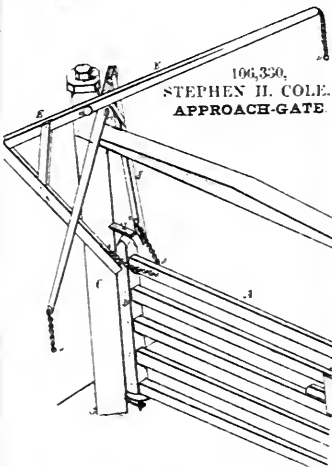
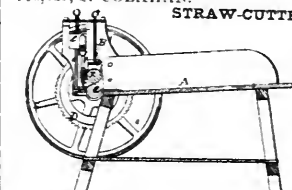
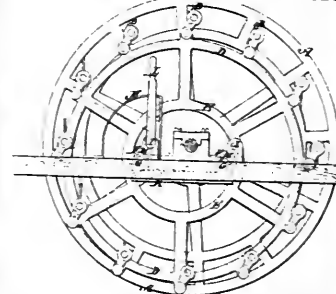
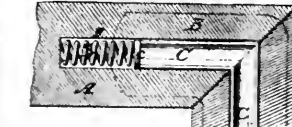
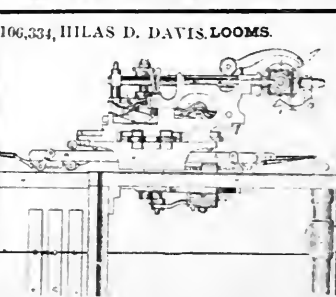
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106,315, JOHN DAVID BROWNE. HINGES.

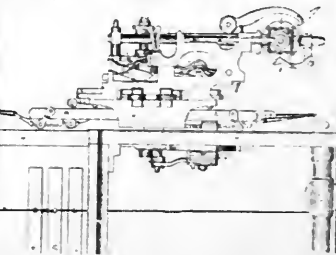
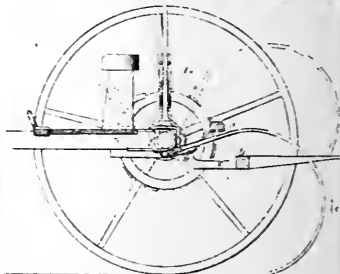
106,316, CHAS. T. BAADÉ.  
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106,318, ERNST BRÜCKER. TABLE.

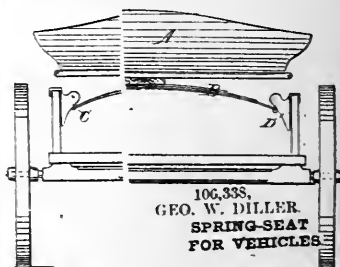
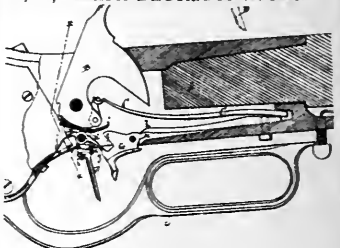
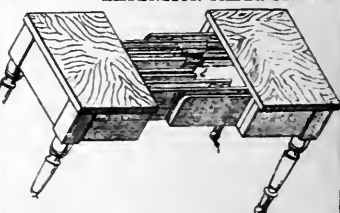


106,319, DENSLOW BIRRIANS, MACHINE  
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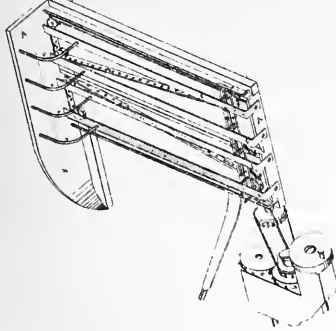
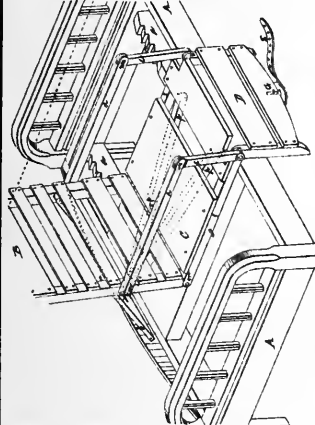
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106,335,  
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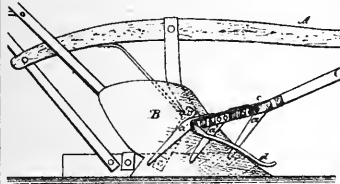
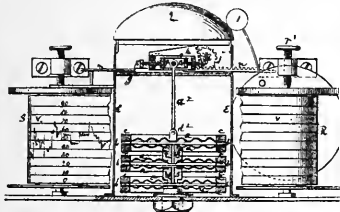
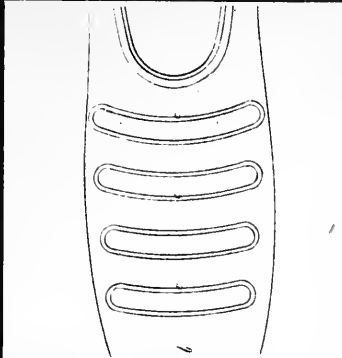
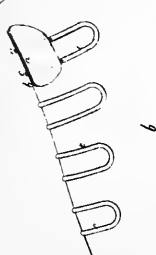
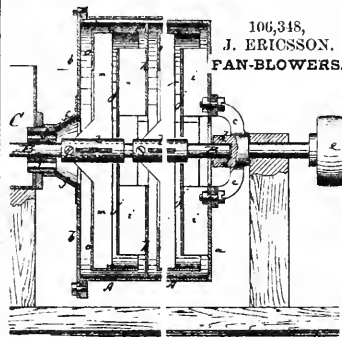
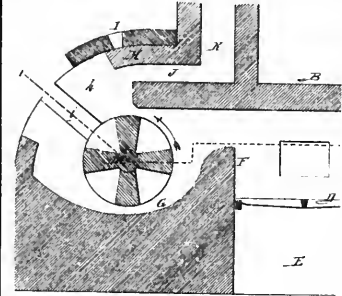
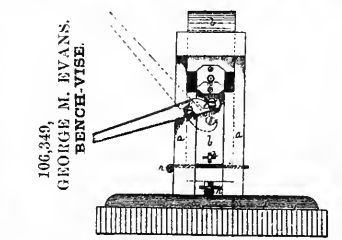
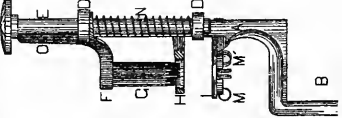
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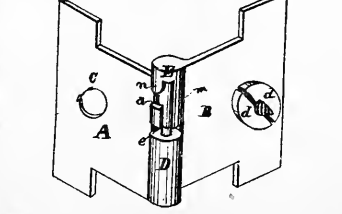
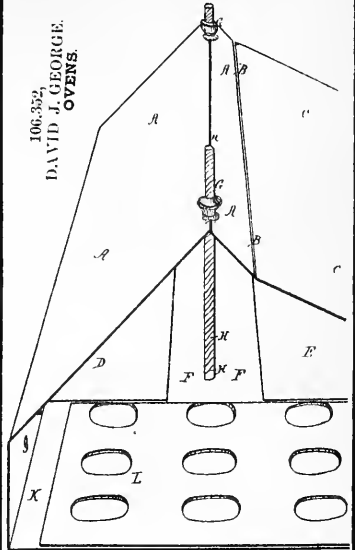
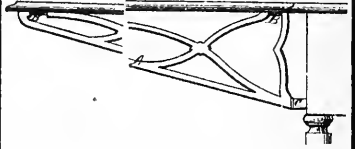
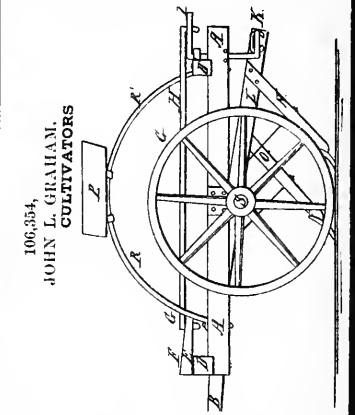
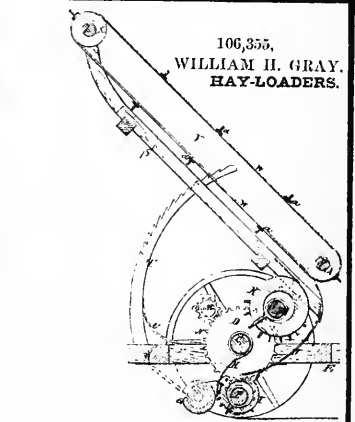


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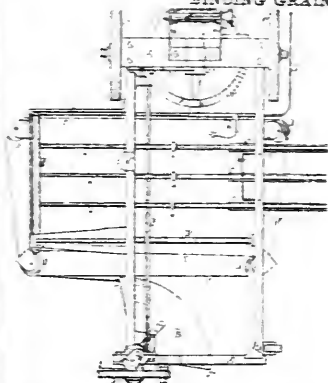
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106,345, JARVIS B. EDSON.  
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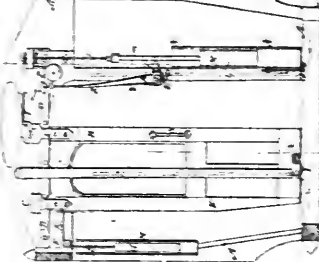
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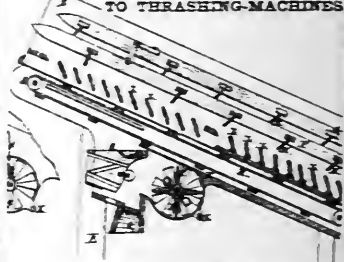
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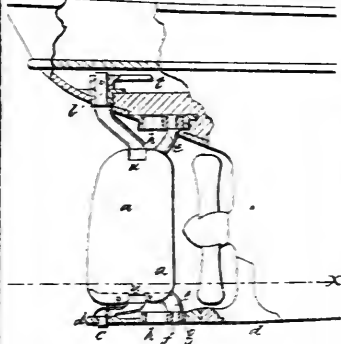
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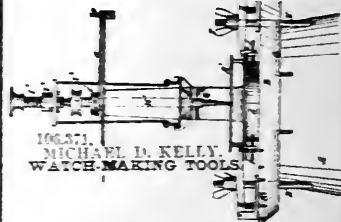
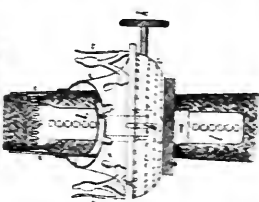
106,370. MOSES A. KELLER.  
SEPARATOR ATTACHMENTS  
TO THRASHING-MACHINES



106,355. CHARLES GODFREY GUMPEL.  
STEERING APPARATUS

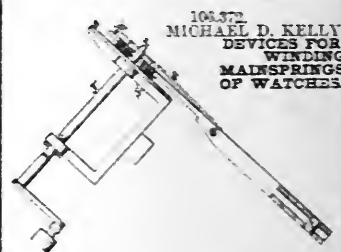
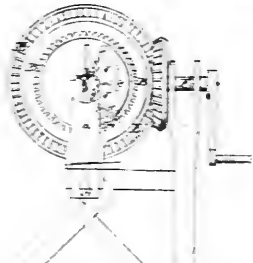


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H. W. HAYDEN.  
LAMP-BURNER

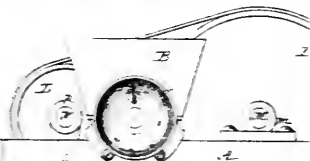


106,371.  
MICHAEL D. KELLY.  
WATCH-MAKING TOOLS

106,364. WILLIAM H. HEFFLEY.  
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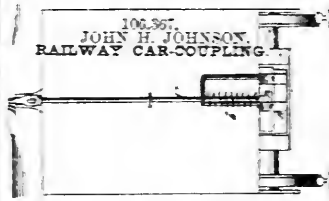
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MICHAEL D. KELLY.  
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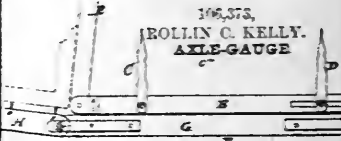
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106,365. JAMES HENDERSON.  
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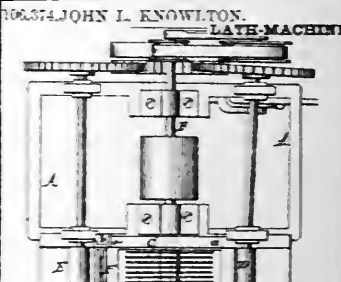
106,366. EUGENE IROS.  
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106,367.  
JOHN H. JOHNSON.  
RAILWAY CAR-COUPLING

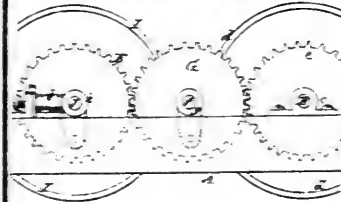


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AXLE-GAUGE

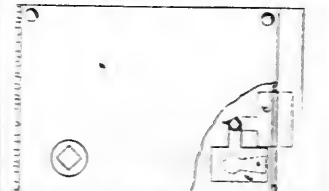


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LATH-MACHINE

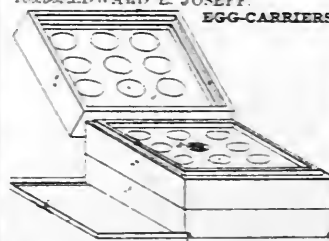
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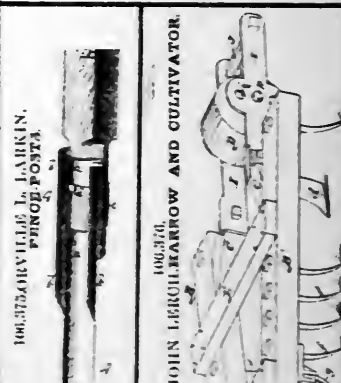
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KEY-HOLE GUARDS



106,369. EDWARD E. JOSEFF.  
EGG-CARRIERS

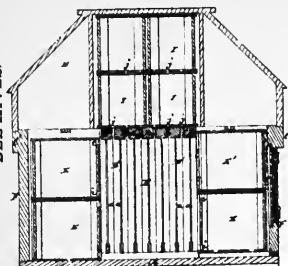
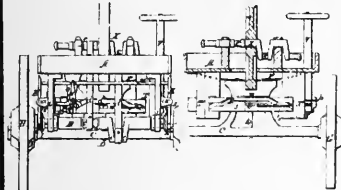
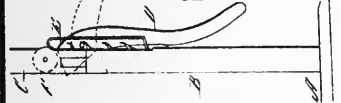
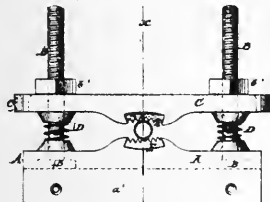
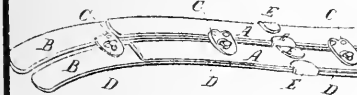
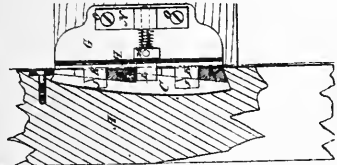
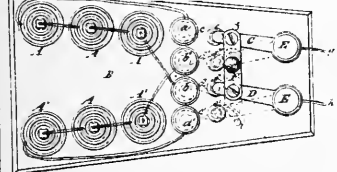
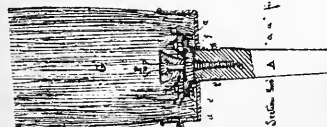
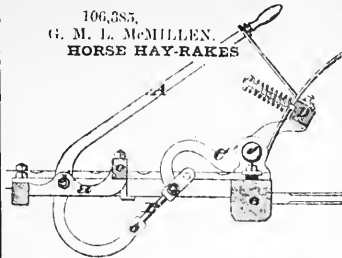
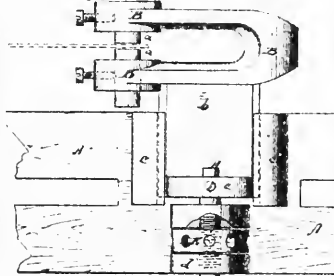
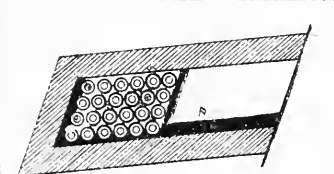
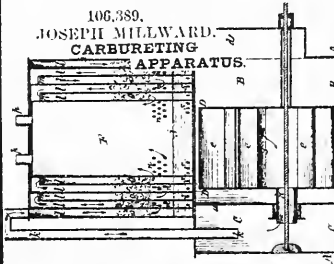
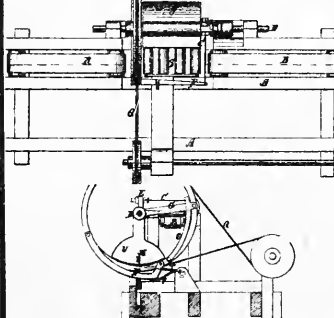
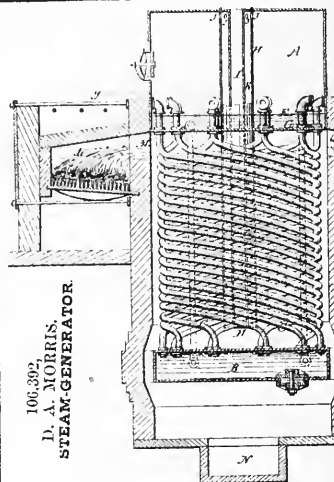
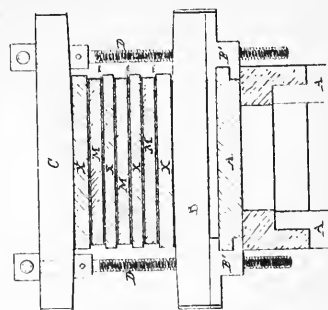
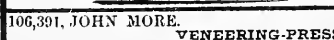
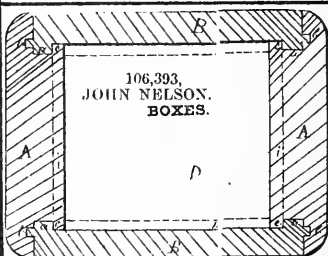
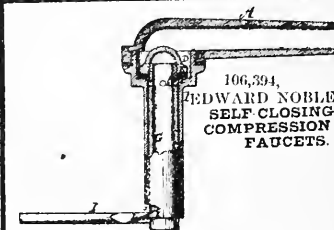
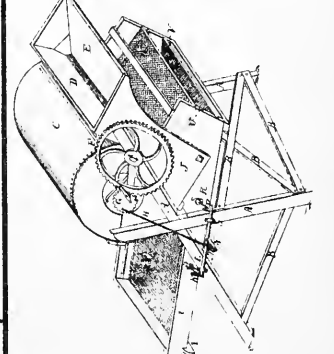


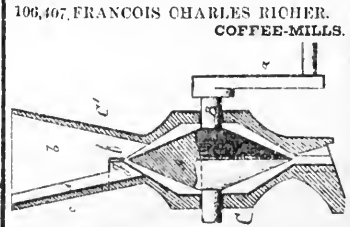
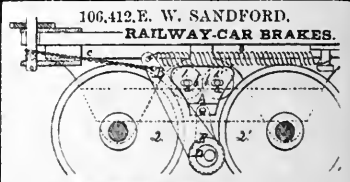
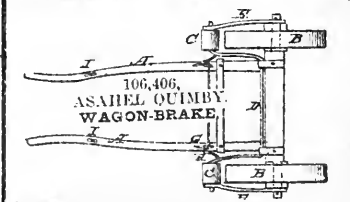
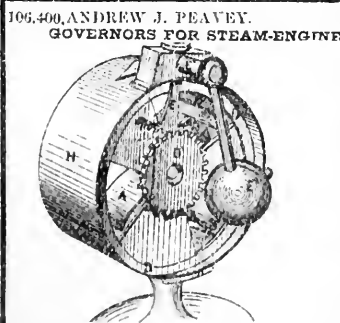
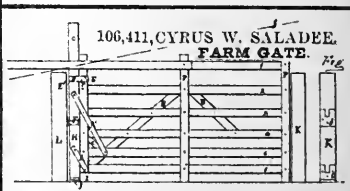
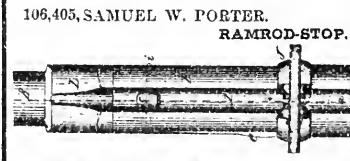
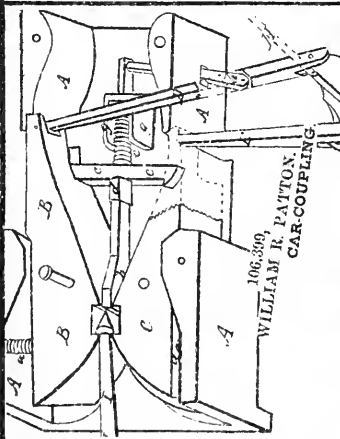
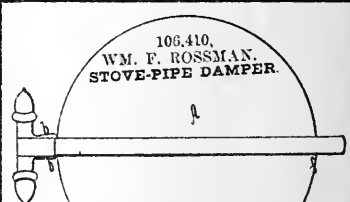
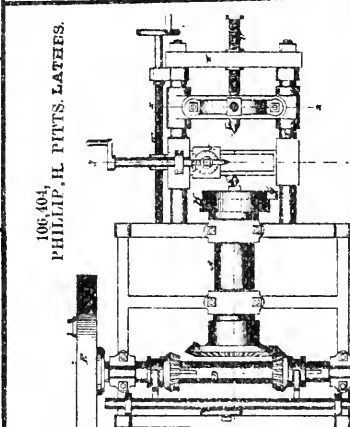
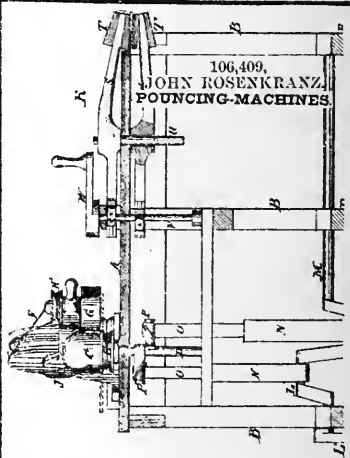
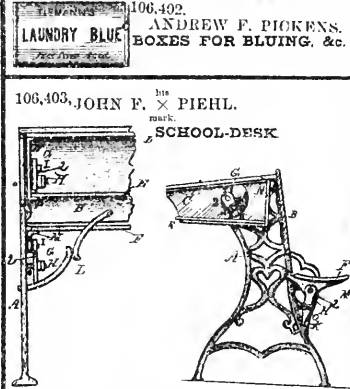
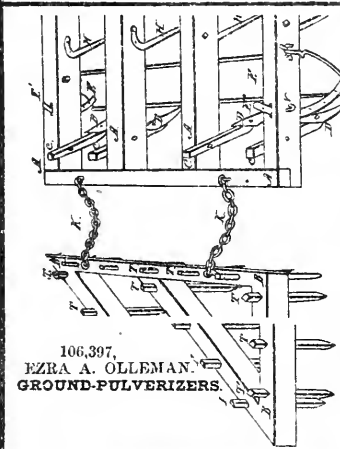
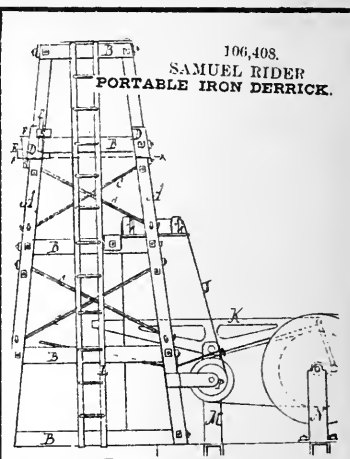
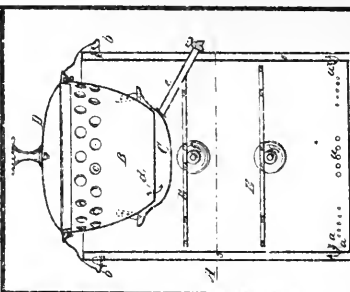
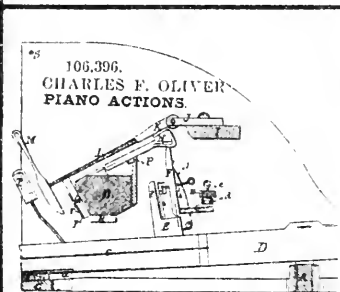
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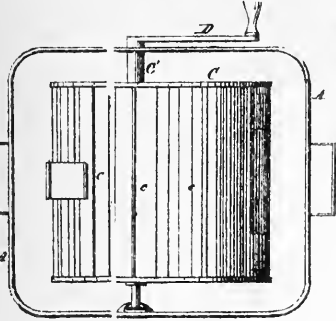
106,375. ARVILLE L. HARRIN.  
HARROW AND CULTIVATOR

106,376.  
JOHN L. HARRIN.  
HARROW AND CULTIVATOR

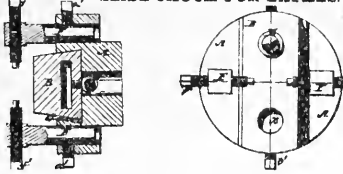
106,377, V. LEONARD.  
BEE-HIVES.106,378, AARON R. LOCKE.  
RAILWAY CARRIAGES.106,379, DAVID MARSHALL.  
CARRIAGE-JACK.106,380, THOMAS MARSHALL.  
PORTABLE GAS-PIPE VISE.106,381, FRANK W. MARSTON.  
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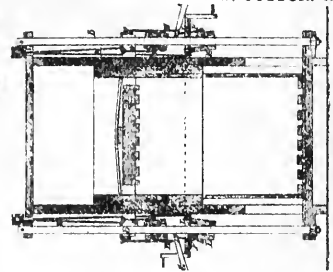
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WASHER AND BOILER.



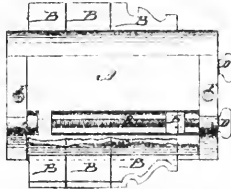
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SLIDE-CHUCK FOR LATHES.



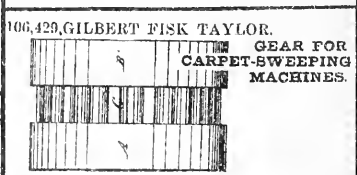
106,427, GEORGE W. SWINEBROAD.  
PRESSES FOR HAY, COTTON, &c.



106,421, DARIUS STEVENS, CUTTER-  
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106,428, ASHER S. TAYLOR.  
BEVERAGE, OR "CHAMPAGNE MEAD."



106,415, CHAS. H. SMITH  
TATTING-SHUTTLE.



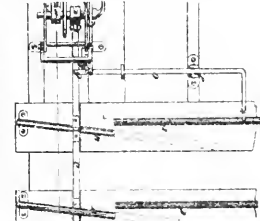
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GEAR FOR  
CARPET-SWEEPING  
MACHINES.



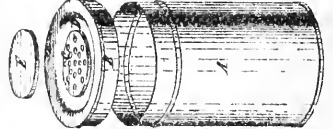
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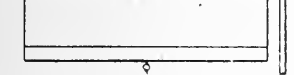
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RAILWAY SWITCH.



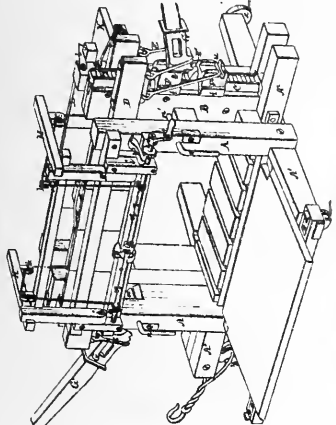
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DREDGE-BOX.



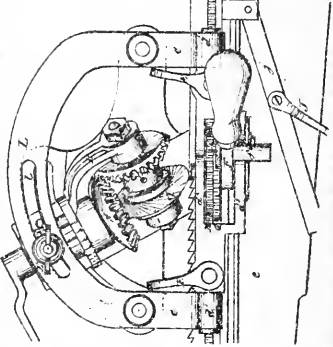
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CURTAIN-FIXTURE.



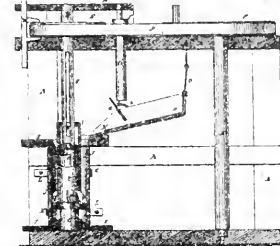
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COTTON AND HAY-PRESSES.



106,431, WILLIAM TUCKER.  
SAW-FILING MACHINE.



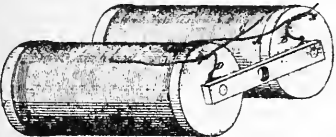
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WATER-PIPE MACHINE.



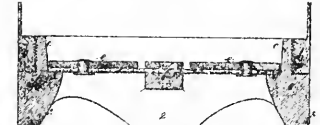
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CENTER PINION FOR WATCHES.



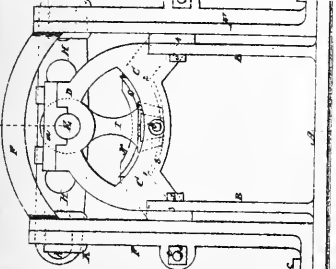
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ELECTRO-MAGNETS.



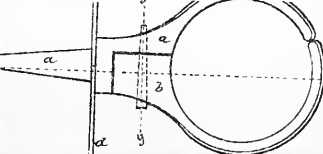
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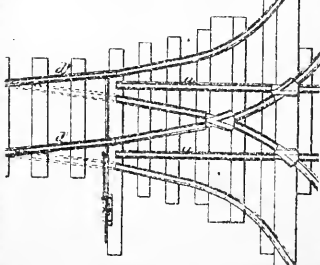
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MACHINES FOR MAKING CHAIN-LINKS.



106,426, RICHARD STREET.  
CLASPS FOR LIGHTNING-RODS.

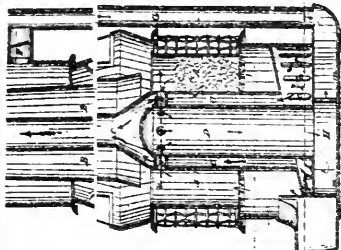


106,434, HORACE S. WEAVER.  
RAILWAYS.

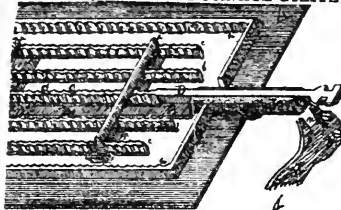




106,435, ALBERT G. WEBSTER.  
BASE-BURNING STOVE.



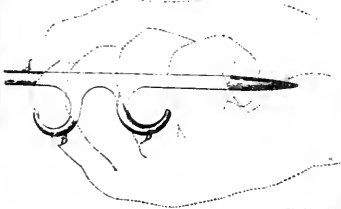
106,442, GEORGE A. WING.  
STOVE OR FURNACE-GRATE.



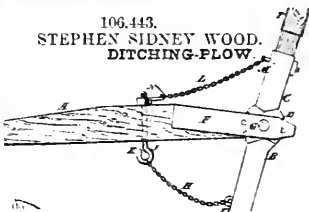
106,450, JAMES C. ARMS.  
MANUFACTURE OF  
POCKET-BOOKS.



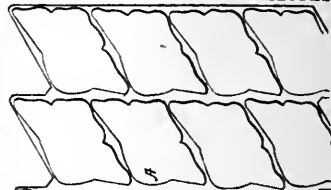
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CORN-HUSKERS.



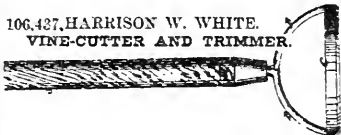
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STEPHEN SIDNEY WOOD.  
DITCHING-FLOW.



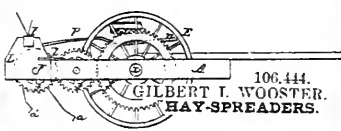
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MANUFACTURING ENVELOPES.



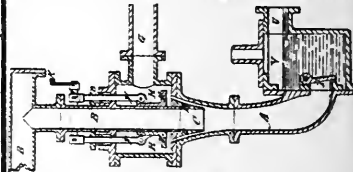
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VINE-CUTTER AND TRIMMER.



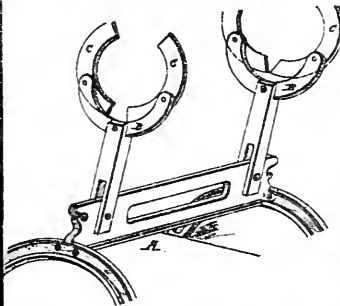
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GILBERT I. WOOSTER.  
HAY-SPREADERS.



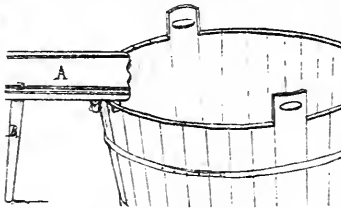
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EJECTORS AND STEAM-CONDENSERS.



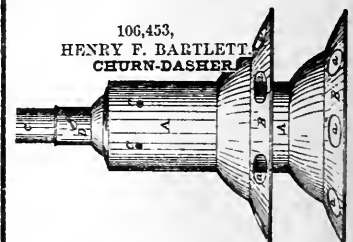
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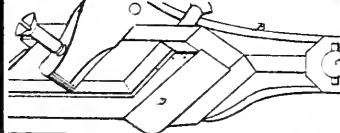
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PORTABLE BATH-SEAT.



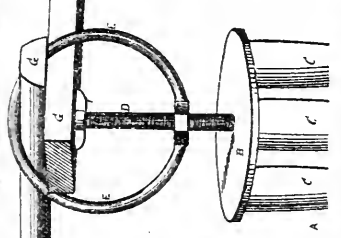
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HENRY F. BARTLETT.  
CHURN-DASHER.



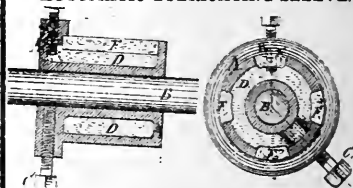
106,439, THERON R. WILLIAMS.  
MACHINERY FOR WORKING HIDES.  
SCOURING LEATHER, &c.



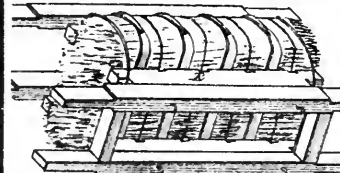
106,446, NICHOLAS YOUNG.  
QUILTING-FRAME HOLDER.



106,454, SAM. R. BARTLETT.  
AUTOMATIC LUBRICATING-SLEEVE.



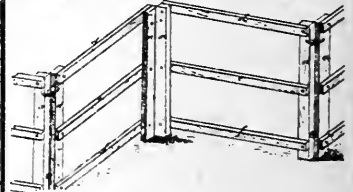
106,440, WM. J. WILLSON.  
PRESSES FOR BAILING BROOM-CORN.



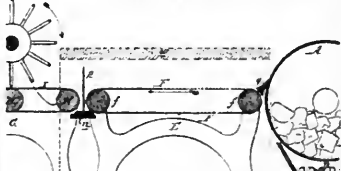
106,447, ANDY M. ADAMS.  
WOOD PAVEMENTS.



106,455, WILLIAM BARTLETT. FENCE.



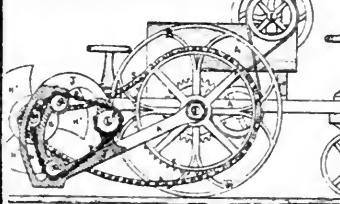
106,448, WM. ADAMSON.  
THE MANUFACTURE OF GLUE.



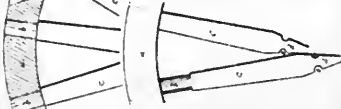
106,456,  
W. E. BARTON.  
MODE OF  
ATTACHING SLEIGH-  
BELLS TO STRAPS.



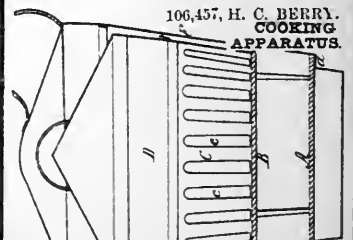
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ROTARY STEAM-PLOWS.



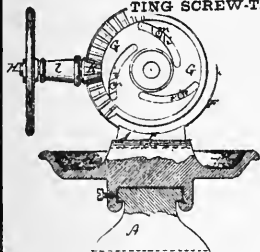
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MANUFACTURE OF WHEELS.



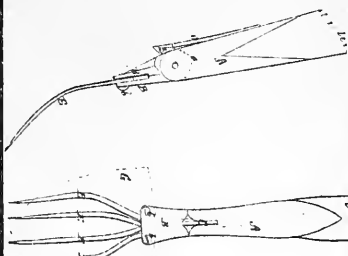
106,457, H. C. BERRY.  
COOKING  
APPARATUS.



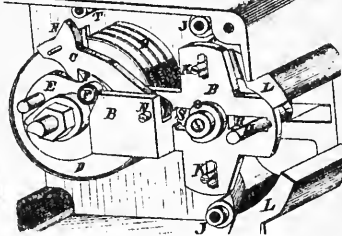
106,458, GEORGE BLAKE.  
MACHINES FOR CUTTING OFF SHAFTS  
AND PIPES AND FOR CUT-  
TING SCREW-THREADS.



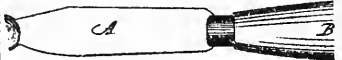
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COMBINED SHOVEL AND DUNG-FORK.



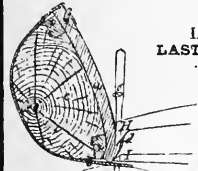
106,472, C. DIEBOLD.  
J. OBERNESSER.  
PERMUTATION LOCKS



106,473, FRED. DURAND.  
WM. F. GILBERT.  
VEGETABLE-KNIVES.

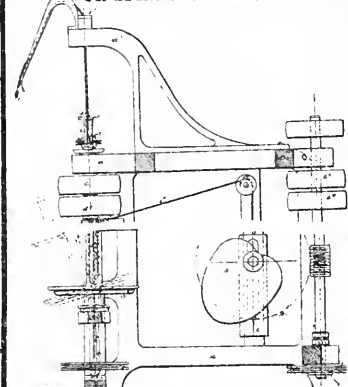


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LYMAN R. BLAKE.  
LASTS FOR MACHINE-  
SEWED TURNED  
SHOES.



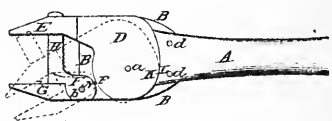
106,465, FERDINAND CASSEL.  
PRESERVATION OF MEAT AND  
OTHER ARTICLES OF FOOD.

106,466, HENRY A. CHAPIN, MACHINE  
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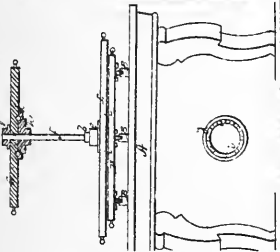


106,474, THEODOR G. EISWALD.  
MEDICAL COMPOUND FOR  
THE CURE OF GRAVEL

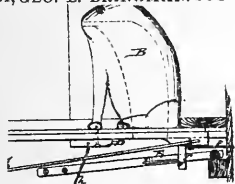
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R. V. JONES.



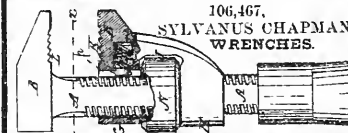
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MINOR P. BOYD.  
DINING-TABLE.



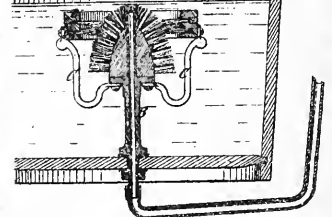
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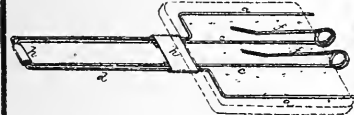
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WRENCHES.



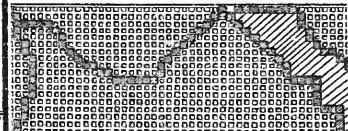
106,476, ADOLPH FISCHER.  
BRUSH FOR CLEANING TUMBLERS.



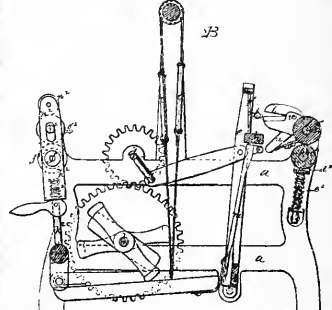
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BREAD-TOASTER.



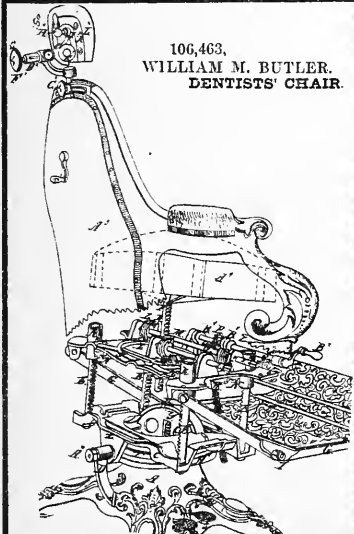
106,468, THOMAS CROSSLEY.  
BLOCKS FOR CARPET-PRINTING.



106,477, SAMUEL L. FITTS.  
LOOM FOR WEAVING RATTAN.



106,463,  
WILLIAM M. BUTLER.  
DENTISTS' CHAIR.



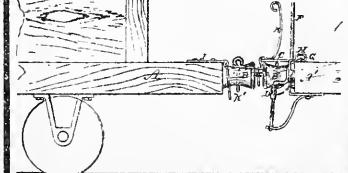
106,469, DAVID DALZELL, AXLE-BOX.



106,470, DAVID DALZELL.  
AXLE FOR VEHICLES.



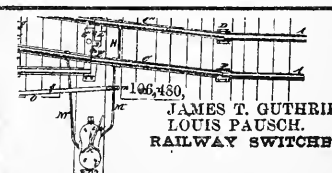
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A. L. PEADRO.  
RAILWAY CAR-COUPLING.



106,478, JULIUS GERBER.  
CULTIVATORS.

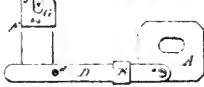


106,479, FRANZ GRAUPNER.  
COMPOSITION TO BE USED IN DYEING.

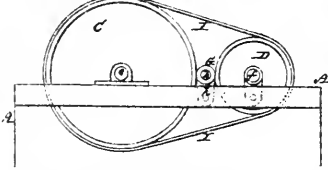


106,480,  
JAMES T. GUTHRIE.  
LOUIS PAUSCH.  
RAILWAY SWITCHES

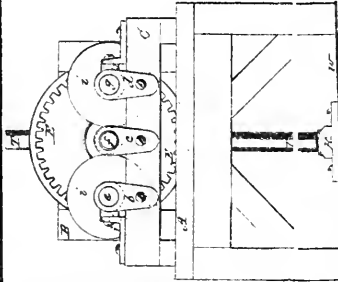
106,481, HENRY M. HALL.  
RUFFLING ATTACHMENT FOR  
SEWING-MACHINES.



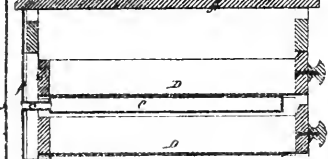
106,482, GEORGE B. HAMLIN.  
STALK AND KINDLING-WOOD CUTTER.



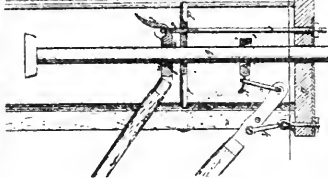
106,483, GEORGE B. HAMLIN.  
HORSE-POWERS.



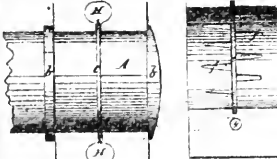
106,484, HENRY HENLEY.  
FRUIT-DRIER.



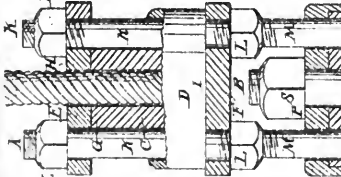
106,485, FRANK HOLLENBERRY.  
HOISTING-JACK.



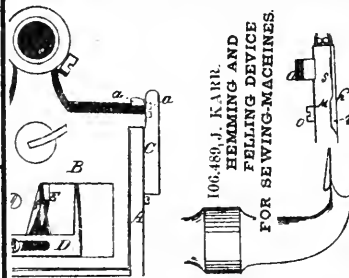
106,486, JNO. HUGHES. JOURNAL-BOX



106,487, WM. CARLTON IRELAND.  
COUPLING FOR WIRE RIGGING.

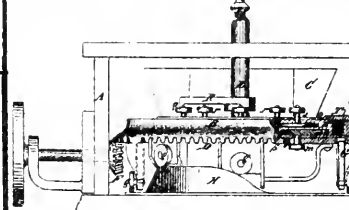


106,488, JOS. L. JOYCE. SHOES.

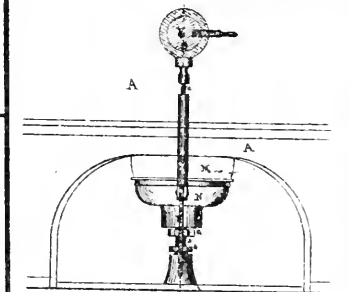


106,489, J. K. VRR.  
HEMMING AND  
FELLING DEVICE  
FOR SEWING-MACHINES.

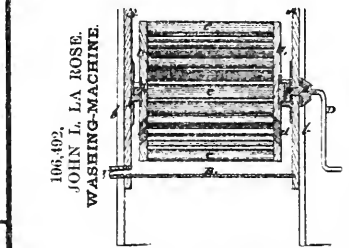
106,490, JOHN KELLER. BRICK-MACHINE.



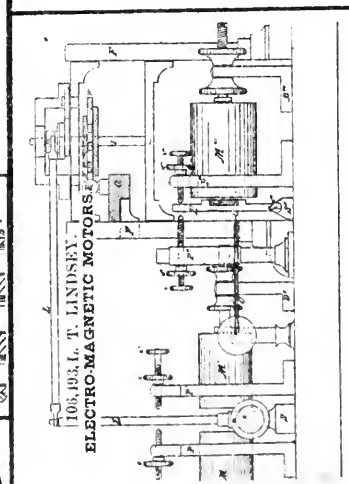
106,491, ROBERT LAFFERTY.  
HUGH W. LAFFERTY.  
CENTRIFUGAL SUGAR-  
DRAINING MACHINE.



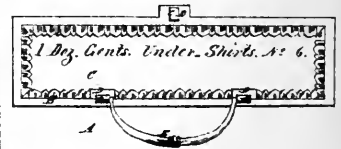
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JOHN L. LA ROSE.  
WASHING-MACHINE.



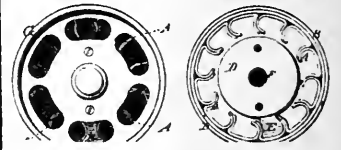
106,493, L. T. LANDSEY.  
ELECTRO-MAGNETIC MOTORS.



106,494, HENRY MANNECK.  
COMBINATION OF LABEL-HOLDER  
AND HANDLE.



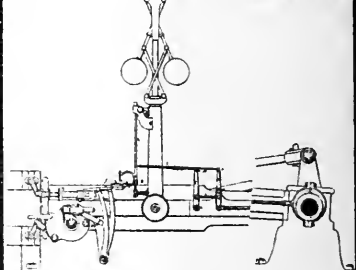
106,495, DAVID MAYDOLE.  
SPRINGS FOR PISTON PACKING.



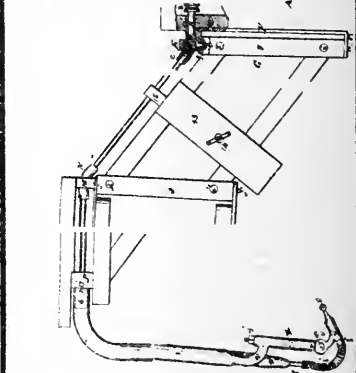
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ALEXANDER MCGUIRE.  
HANDLES FOR CASKETS.



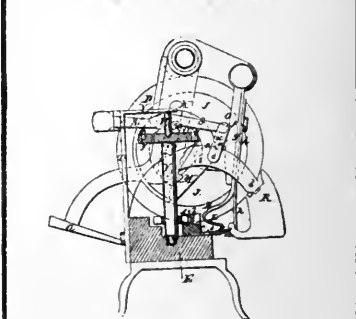
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STEAM-ENGINES

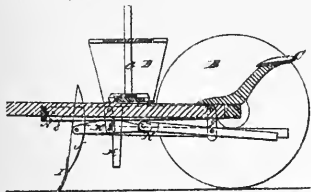


106,498, J. B. MORRISON.  
FLEXIBLE SHAFT.

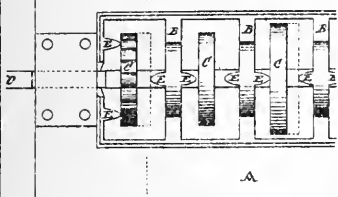
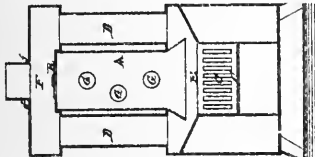
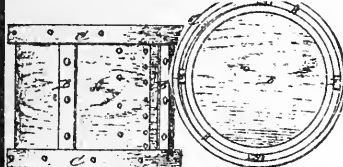


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KNITTING-MACHINES.

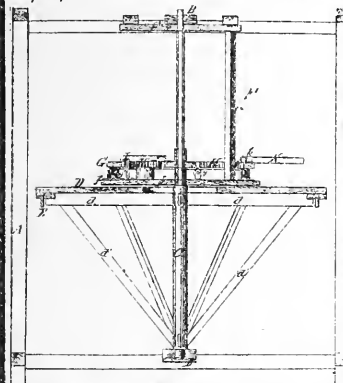


106,500, WASHINGTON B. MYERS.  
SEEDERS AND FERTILIZERS COMBINED.

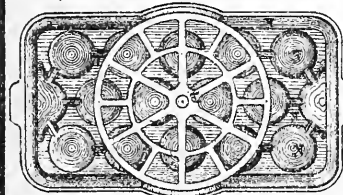
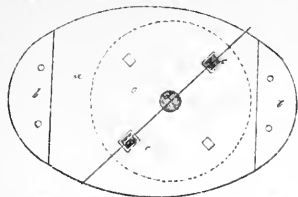
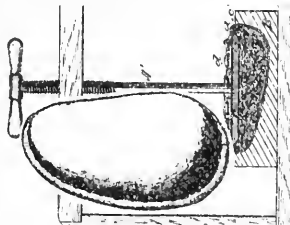
106,501, ANDREW PATTERSON. NAILS.

106,502, MERRITT PECKHAM.  
FIRE-GRATES.106,503, MERRITT PECKHAM.  
BASE-BURNING STOVE.106,504, JOHN POTTER.  
TOBACCO-BOX OR DRUM.

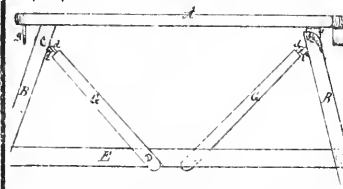
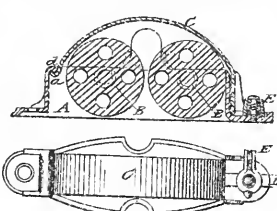
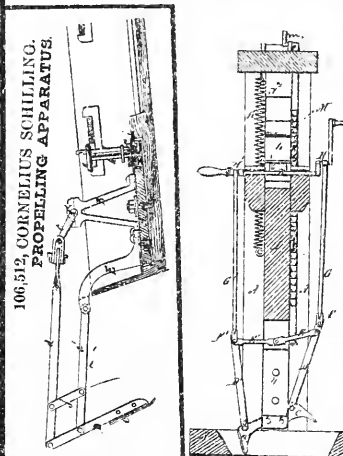
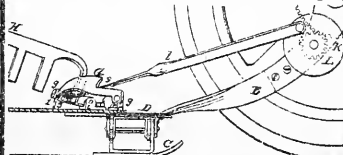
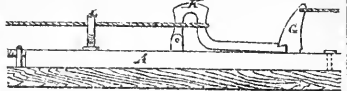
106,505, T. B. PYRON. HORSE-POWER.



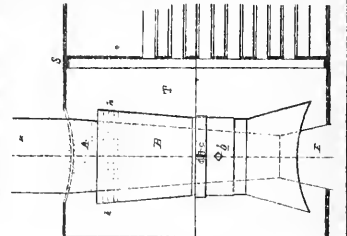
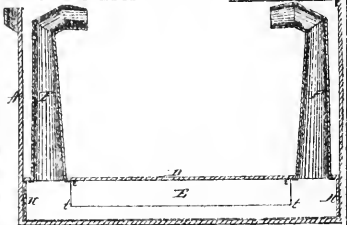
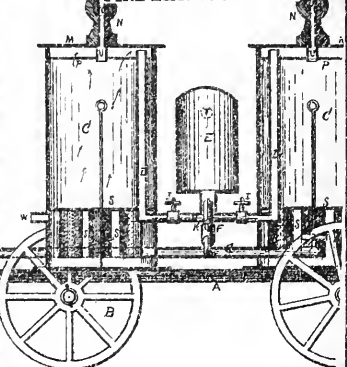
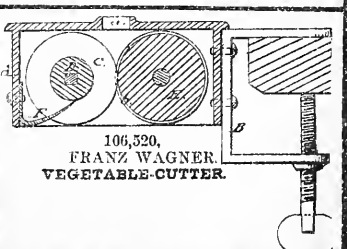
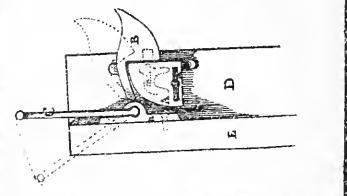
106,506, ADAM REID. DRIPPING-PAN.

106,507, THOMAS H. RICE.  
SHEAVE-BLOCKS.106,508, S. S. RITTER.  
MANUFACTURE OF TRUSS-PADS.

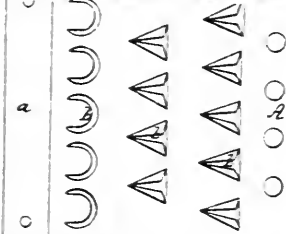
106,509, JAS. H. RUFF. IRONING TABLE.

106,510, J. B. SARGENT.  
GRINDSTONE JOURNAL-BOX.106,511, GEO. T. SAVARY.  
MORTISING-MACHINE.106,512, CORNELIUS SCHULING.  
PROPELLING APPARATUS.106,513, JACOBS W. SCHUCKERS.  
HARVESTER-RAKES.106,514, LEONARD R. SHIPMAN.  
TOWING-HOOKS FOR CANAL-BOATS.

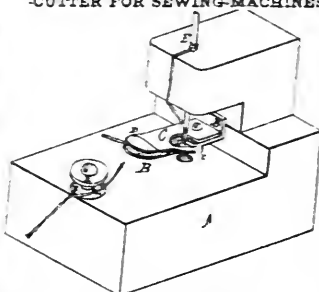
106,515, JAS. SMITH. SPARK-ARRESTERS.

106,516, O. F. STEDMAN.  
WASH BOILER.106,517, THOS. TRIPP.  
FIRE-EXTINGUISHERS.106,518, WM. P. VAN DEURSEN.  
COMPOUND  
FOR EXTINGUISHING FIRES.106,519, HENRY R. VAN EPS COMBINED  
LATCH AND LOCK FOR GATES.106,520, FRANZ WAGNER.  
VEGETABLE-CUTTER.

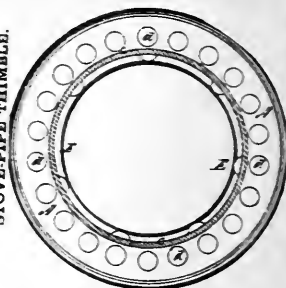
106,521, B. WARD, STOVE-GRATE.



106,526, CORNELL J. WOOD, THREAD-CUTTER FOR SEWING-MACHINES.



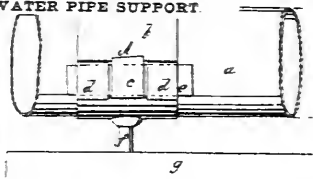
108, THOMAS K. ANDERSON, STOVE-PIPE THIMBLE.



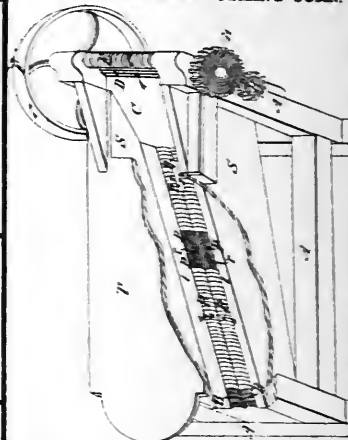
106,522, THOMAS WARD, VAPOR-BURNERS.



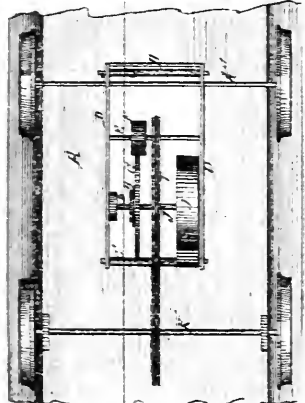
106,527, C. D. WOODRUFF, WATER PIPE SUPPORT.



4,099, L. AUGS. ASPINWALL, MACHINE FOR HUSKING CORN.



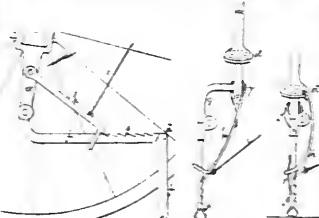
106,523, WILLIAM MEDD WATSON, MOTIVE POWER.



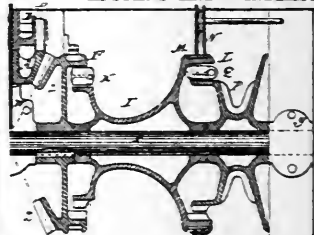
106,528, C. D. WOODRUFF, VENTILATOR FOR STOVE-PIPES.



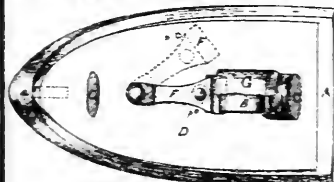
106,529, C. WYNDHAM, VELOCIPEDE.



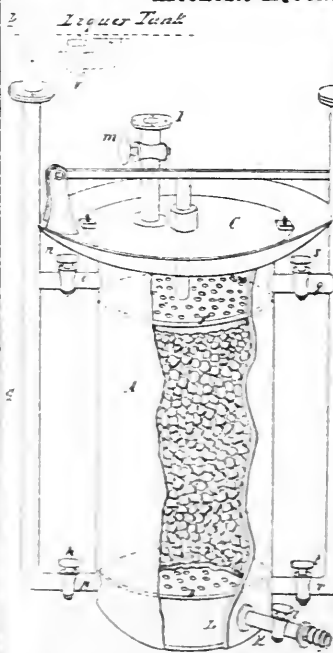
4,100, DAVID N. B. COFFIN, JR., BENJAMIN WOODWARD, CAPSTANS AND WINDLASSES.



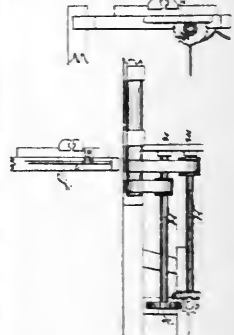
106,524, WM. WEBSTER, SADDLE-IRON.



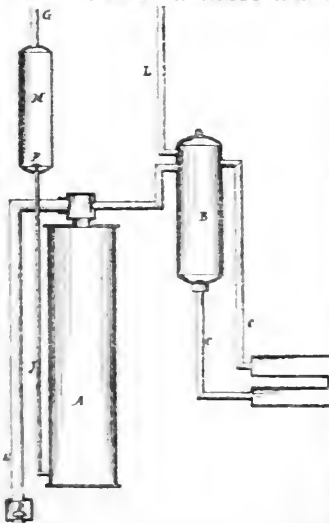
106,530, CH. L. FLEISCHMANN, APPARATUS FOR RECTIFYING ALCOHOLIC LIQUORS.



4,101, ALEXANDER MCCREIGHT, SAW-MILLS.



106,525, HENRY MORSE WIGHTMAN, STEAM WATER-ELEVATORS.



4,102, WM. WILMINGTON, CHILLS FOR CASTING CAR-WHEELS.

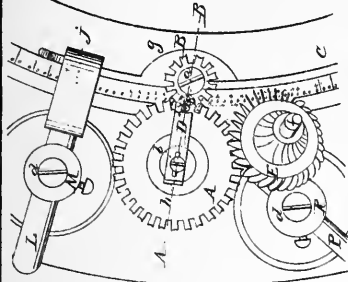




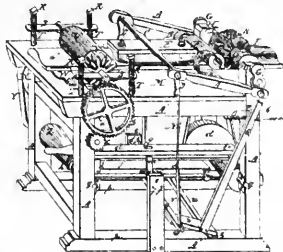
ILLUSTRATIONS OF PATENTS  
ISSUED FROM

THE UNITED STATES PATENT OFFICE  
AUGUST 23, 1870.

106,531. W. H. ABEL.  
KNITTING MACHINE.

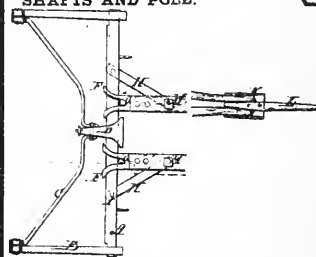


106,536. JOSEPH BARKER. MACHINE  
FOR SAND-PAPERING MOLDINGS.

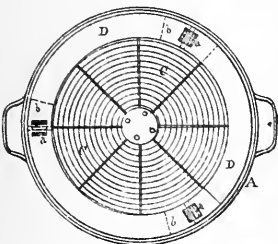


106,541.  
THOMAS C. BROWN.  
SCYTHES.

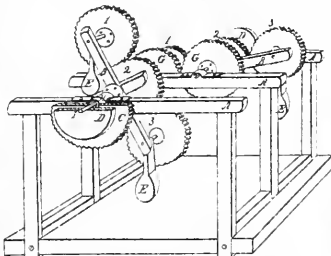
106,542. JOHN G. BURCHFIELD.  
SETH W. BROCK.  
COMBINATION OF  
SHAFTS AND POLE.



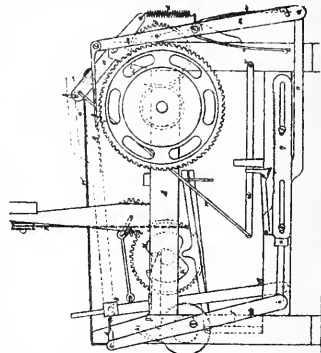
106,532.  
SANFORD ADAMS.  
COAL-SIFTERS.



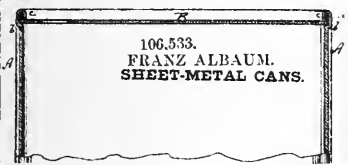
106,537. CHARLES BATCHELLER.  
MOTIVE POWER.



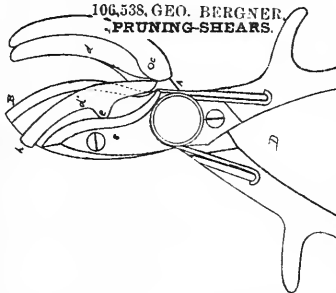
106,543. MICAJAH C. BURLIGH.  
LET-OFF MECHANISM FOR LOOMS.



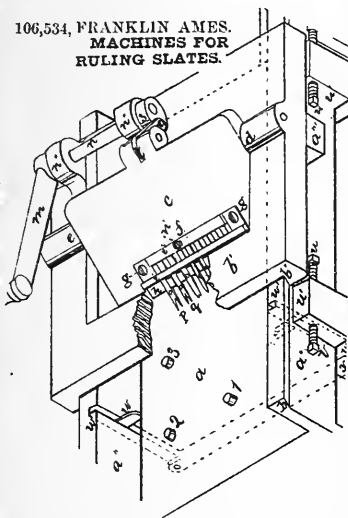
106,533.  
FRANZ ALBAUM.  
SHEET-METAL CANS.



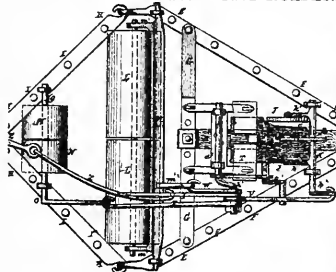
106,538. GEO. BERGNER.  
PRUNING-SHEARS.



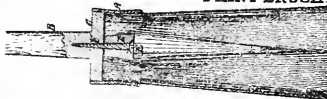
106,534. FRANKLIN AMES.  
MACHINES FOR  
RULING SLATES.



106,539. JOHN M. BLANKENBEKER.  
COMBINED HARROW AND ROLLER.



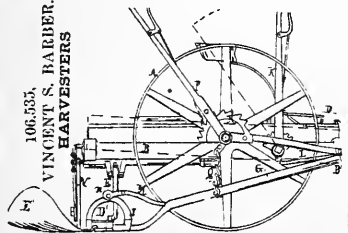
106,544. WM. B. BURNETT.  
PAINT-BRUSH.



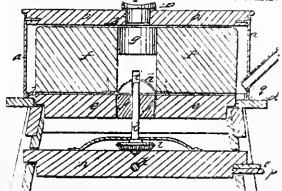
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WILLIAM B. BURNETT.  
FERRULES FOR  
PAINT-BRUSHES.



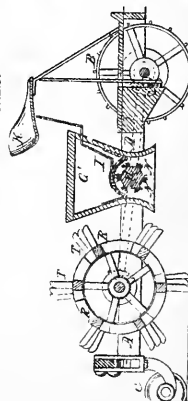
106,535.  
VINCENT S. BARBER.  
HARVESTERS.



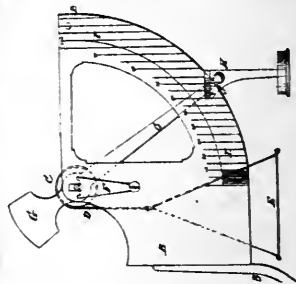
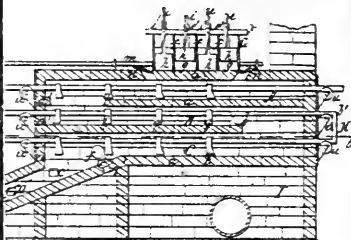
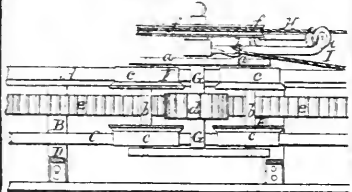
106,540. JOEL S. BRALEY.  
JOHN A. SCHMITT.  
PHILLIP L. SCHMITT.  
METHOD OF PUTTING FACE  
-DRESS ON MILLSTONES.



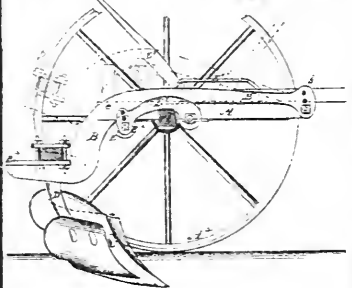
106,546.  
A. BUTTON.  
SEEDING-MACHINES.



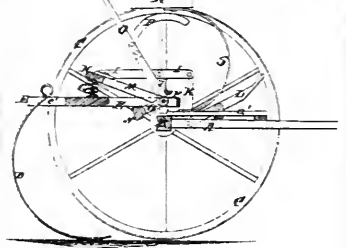
106,547, JOHN B. CALNAN. DEVICE FOR PROPELLING CANAL-BOATS.



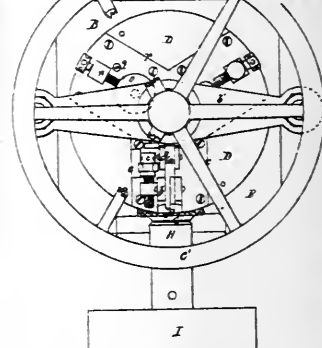
106,548, HENRY C. CARR. WHEEL PLOWS.



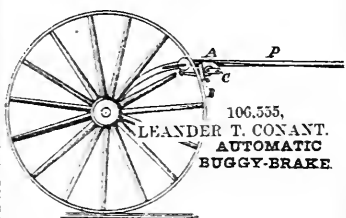
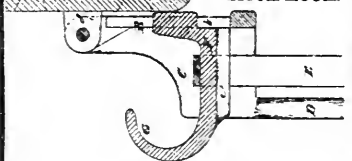
106,554, JAMES M. COLSON. HORSE HAY-RAKES.



106,561, THOS. BRADFORD DILL. MACHINES FOR MANUFACTURING WATCH-CASES.



106,549, GEO. W. CHANDLER. HITCH-HOOK.

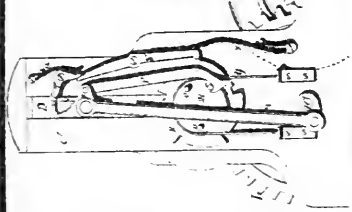


106,555, LEANDER T. CONANT. AUTOMATIC BUGGY-BRAKE.

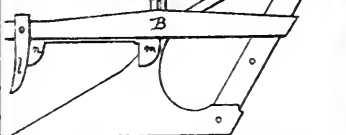
106,562, DAVID B. DIXON. GRASS-SEED SEPARATORS FOR MANGERS.



106,550, JOS. CHRISTEN. TILE-MACHINE.



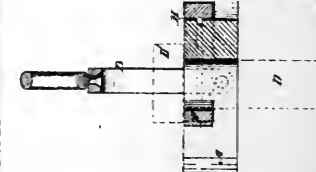
106,556, WM. G. COOMBS. PLOWS.



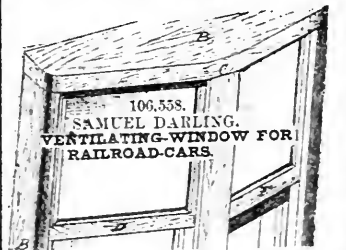
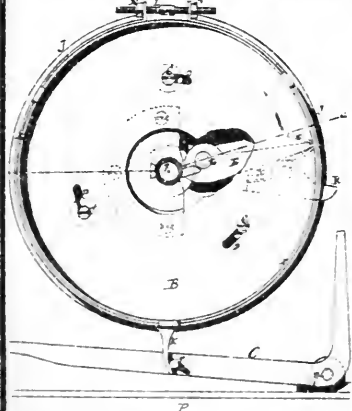
106,557, JAMES THOMPSON CRFE. BOTTLE-STOPPERS.



106,563, WM. H. DOWNING. TUBING-CLAMPS.



106,551, WILLIAM T. COLE. CHUCK FOR HOLDING PIPES AND TUBES WHILE BEING SCREW-THEADED.

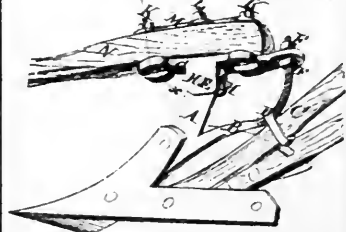


106,558, SAMUEL DARLING. VENTILATING-WINDOW FOR RAILROAD-CARS.

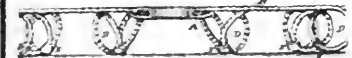
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106,559, ROBERT DICKIE. HUGH KIRKWOOD JOHNSTON. PLOWS



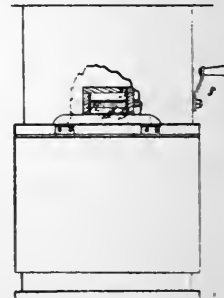
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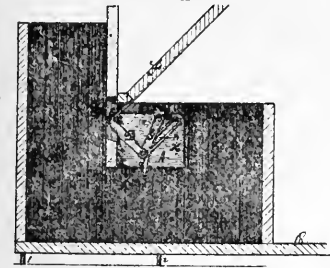
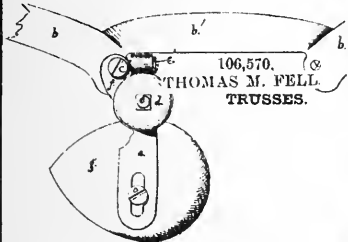
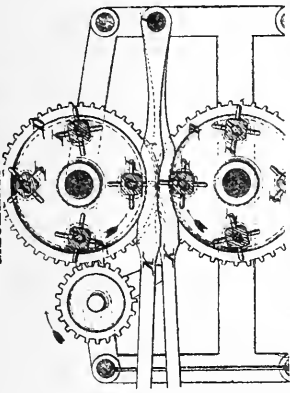
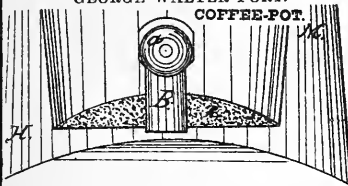
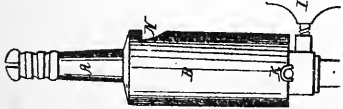
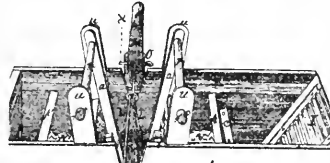
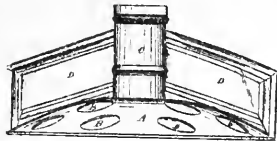
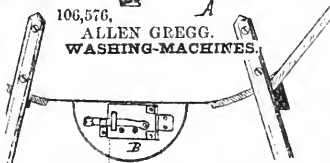
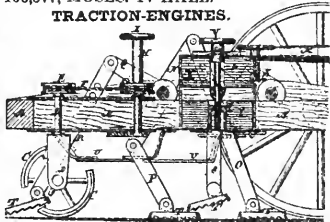
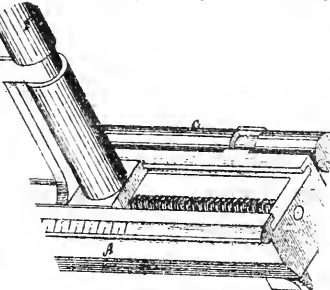
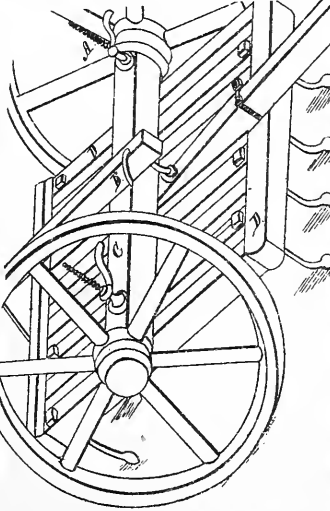
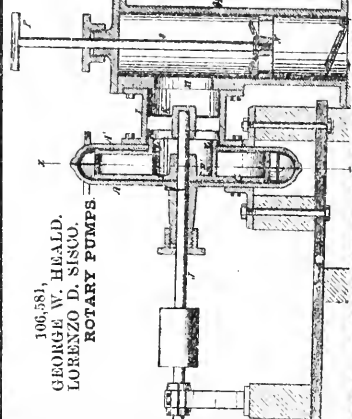
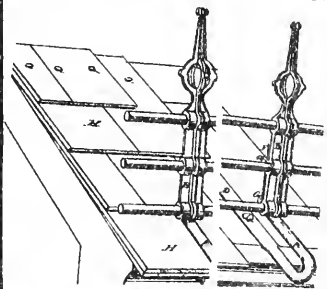
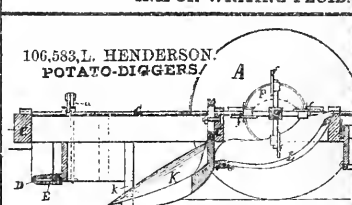
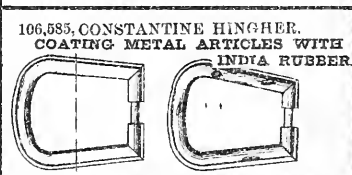
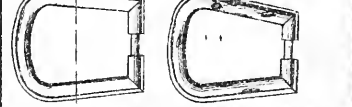


106,553, JOHN COLLOM. ROASTING-FURNACES FOR ORES.

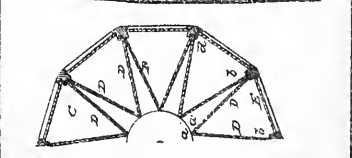
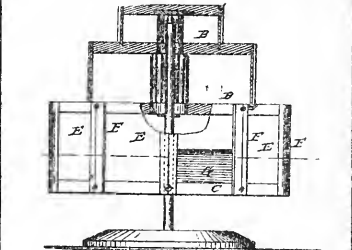
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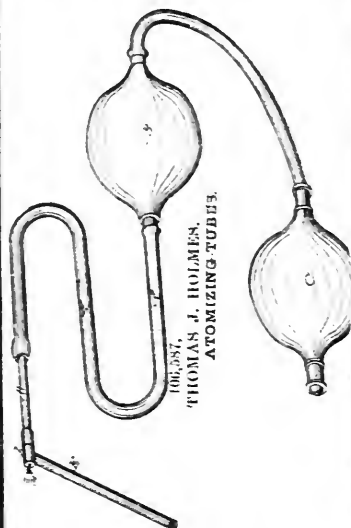
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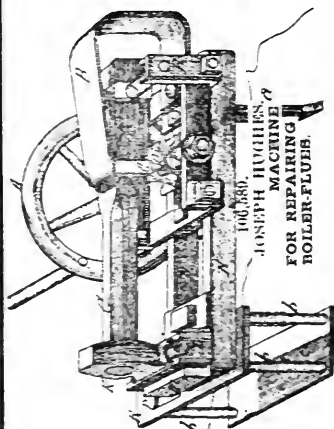
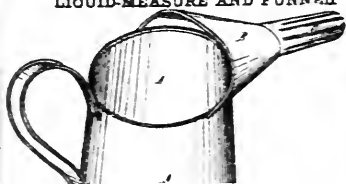
106,566, JAMES ADDISON DRAKE.  
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COFFEE-POT.106,573, LEWIS L. GEBHART, M. D.  
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BURETT H. WILLIAMS.  
CHURN-DASHERS.106,576,  
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TRACTION-ENGINES.106,578, JACOB W. HANDSHY.  
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WHEEL CULTIVATOR.106,580,  
SAMUEL R. HATHORN.  
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GEORGE W. HEALD,  
LORENZO D. SISCO.  
ROTARY PUMPS.106,582, CHAS. HEBEL.  
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DRESSING OR TAWING SKINS.106,585, CONSTANTINE HINGHER.  
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INDIA RUBBER.

106,586, JOHN A. HOLMES. SHOW-CASE.





106,588. JOS. HUFF.  
LIQUID-MEASURE AND FUNNEL.



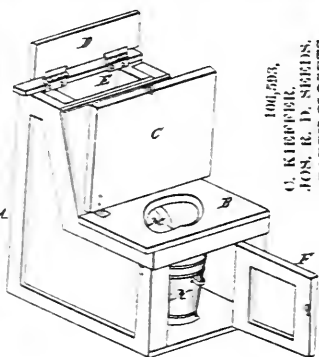
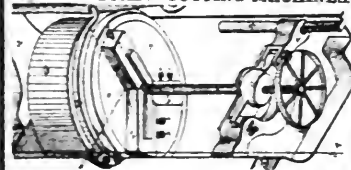
106,590. LEONARD A. JOHNSON.  
FURNITURE-FASTENING.



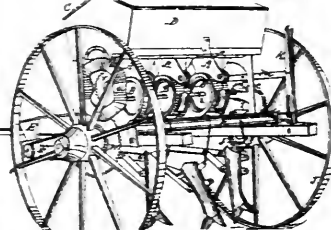
106,591. NATHANIEL JONES.  
LASTS.



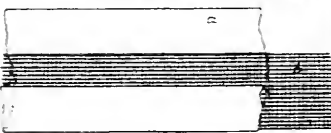
106,592. EDWARD KAYLOR.  
SCREW-CUTTING MACHINES.



106,594. SETH L. KING.  
WILLIAM OGDEN.  
GRAIN-DRILLS.



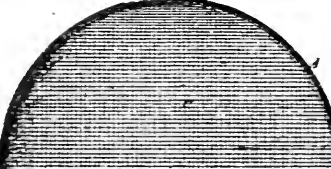
106,595. GEORGE G. LARKIN.  
STAY FOR CARRIAGES.



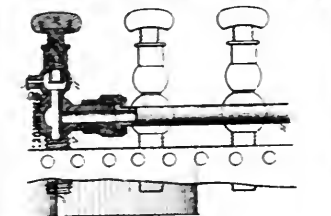
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PEN-HOLDERS.



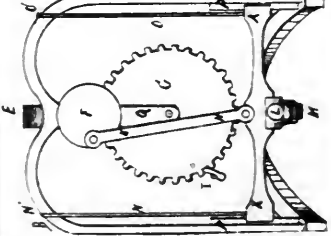
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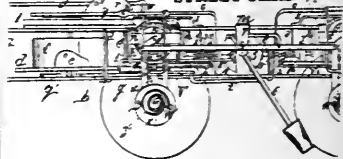
106,598. GIDEON B. MASSEY. LOW-WATER  
AND HIGH-PRESSURE ALARM.



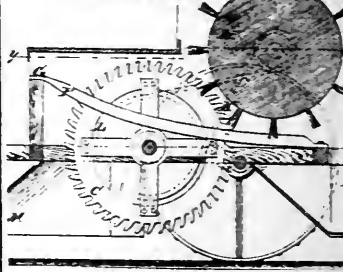
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CHURNS.



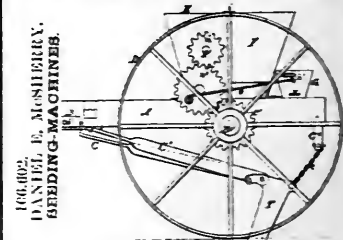
106,600. PATRICK E. McDONNELL.  
MOTIVE POWER FOR DRIVING  
STREET-CARS.



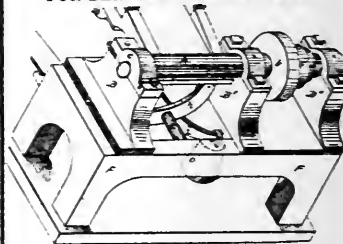
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DANIEL M. McRAE.  
COTTON-PICKERS.



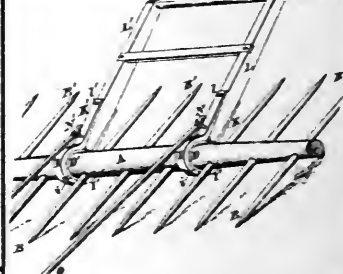
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DANIEL E. MUSHERRY.  
BENDING-MACHINES.



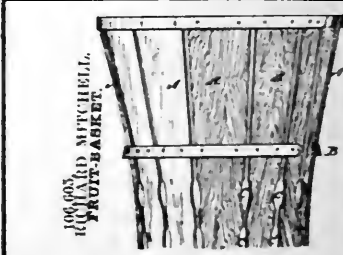
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FOR BENDING VOLUTE SPRINGS.



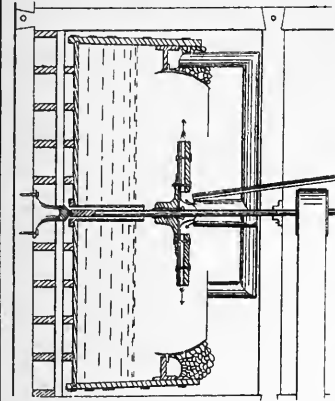
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HORSE HAY-RAKES.



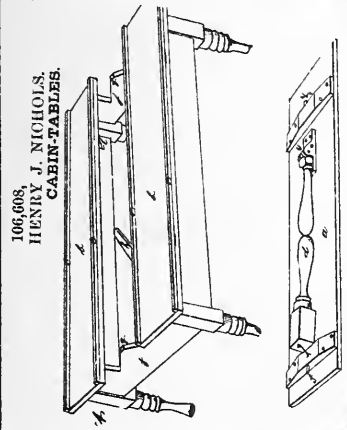
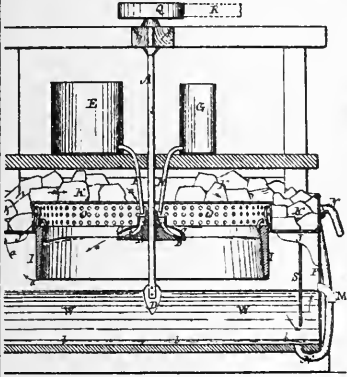
106,605.  
WILLIAM MITCHELL.  
FRUIT-BASKET.



106,606, GEO. M. MOWBRAY.  
APPARATUS FOR THE MANUFACTURE  
OF NITRO-GLYCERINE

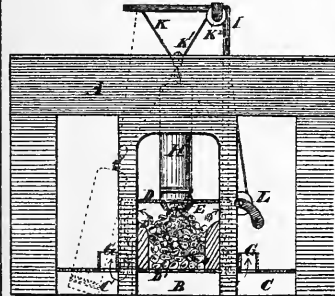


106,607, GEO. M. MOWBRAY.  
APPARATUS FOR THE  
MANUFACTURE OF NITRO-GLYCERINE,  
NITRO-BENZOLE, &c.

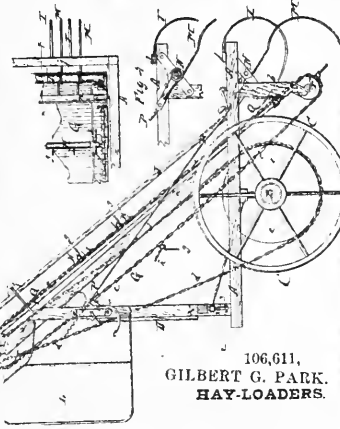
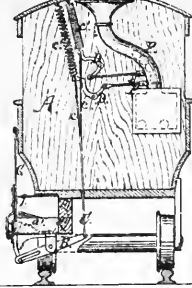


106,608,  
HENRY J. NICHOLS.  
CABIN-TABLES.

106,609, BENJAMIN NOTT.  
BASE-BURNING STOVE.

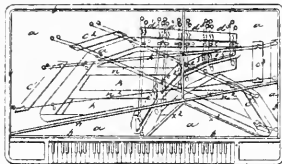


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AUTOMATIC PASSENGER-REGISTER  
FOR VEHICLES.

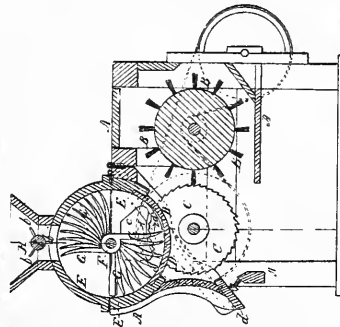


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HAY-LOADERS.

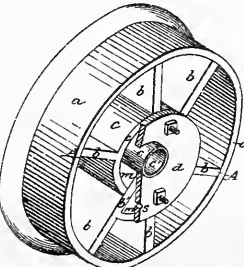
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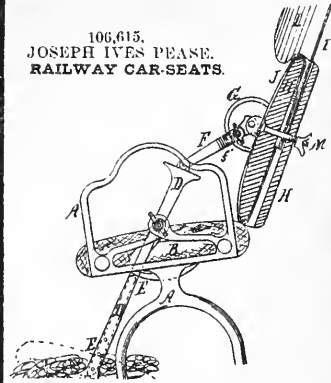
106,613, GEOR. W. PAYNE.  
GIN FOR LINTING COTTON.



106,614, S. E. PEART.  
LUBRICATOR FOR LOOSE WHEELS.

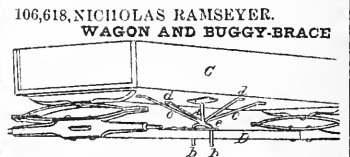


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JOSEPH IVES PEASE.  
RAILWAY CAR-SEATS.

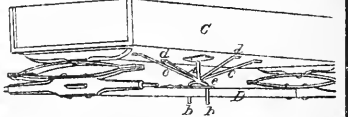


106,616, ROBERT-PINKNEY.  
PRODUCTION OF COLORS FOR DYES.  
INKS, &c. FROM ANILINE.

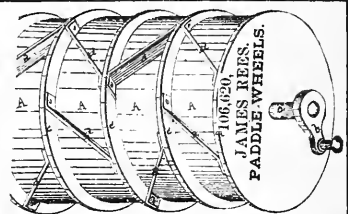
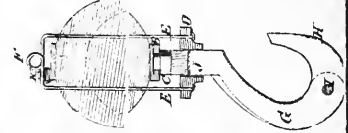
106,617, ISAAC L. PLUMER.  
MATERIAL FOR PASTE FOR  
BOOKBINDERS AND OTHERS.



106,618, NICHOLAS RAMSEYER.  
WAGON AND BUGGY-BRACE



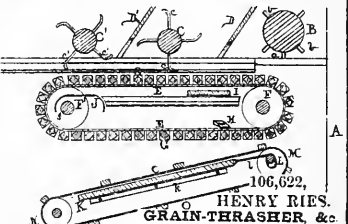
106,619, NATHANIEL M. RAY.  
BOAT-DETACHING APPARATUS.



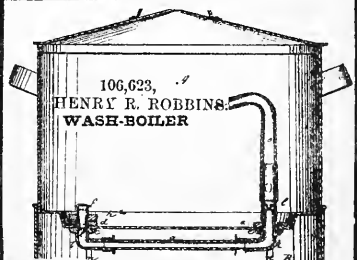
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JAMES REES.  
PADDLE-WHEELS.



106,621,  
ISAAC P. RICHARDS.  
SPINDLE-BOLSTER.

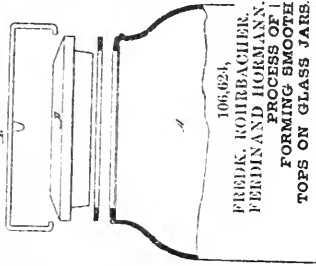


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HENRY RIES.  
GRAIN-THRESHER, &c.



106,623,  
HENRY R. ROBBINS.  
WASH-BOILER



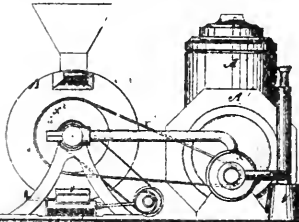


106,624.  
FREDK. ROUBACHER.  
FERDINAND EMMANN.  
PROCESS FOR  
FORMING SMOOTH  
TOPS ON GLASS JARS.

106,625, ALEXANDER J. SHELDON.  
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106,626, THOS. SMI.  
MANUFACTURE OF FERTILIZERS

106,627, EVAN SKELLY.  
MACHINES FOR DECORTICATING  
AND DRYING GRAIN.



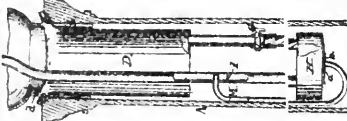
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REED ORGAN-PIPES.



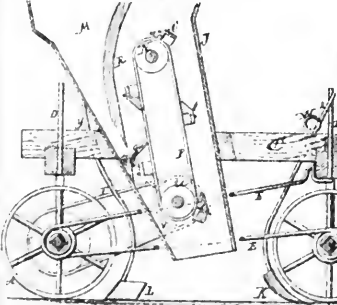
106,629, CHAS. W. SMITH.  
HENRY J. RICE.  
VAPOR-CHANDLERS.



106,630, CHAS. E. SMITH.  
HENRY J. RICE.  
VAPOR-BURNING STREET-LAMPS.

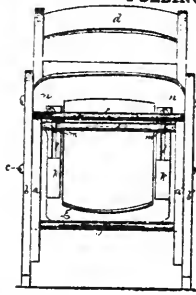


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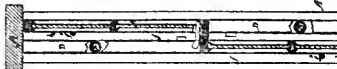


106,632, LEWIS H. SPEAR.  
PRESERVING MEAT.

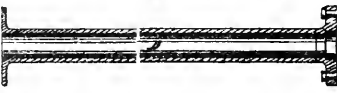
106,633, ALEX. W. STEWART.  
FOLDING CHAIR



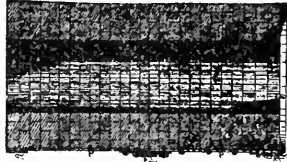
106,634, ADAM W. STINE.  
WINDOW-FRAMES.



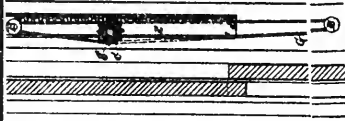
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RAILWAY-CAR AXLES.



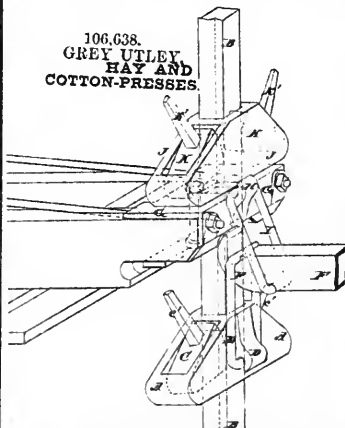
106,636, W. SWINDELL.  
STACK FOR PUDDLING, BOILING, AND  
OTHER FURNACES.



106,637, ALBERT E. TRIPP.  
CURTAIN-FIXTURE.



106,638.  
GREY UTLEY.  
HAY AND  
COTTON-PRESSES.



106,639, A. M. WATERS, LIFTING-JACKS.



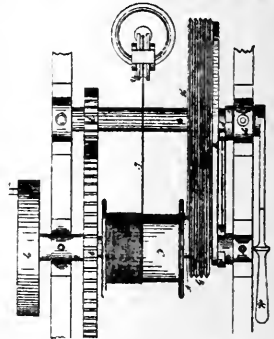
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FENCES.



106,641, W. H. WILKINSON.  
LOGOTYPES.

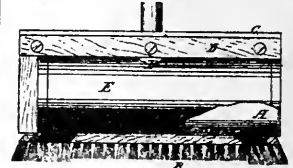


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HOISTING-MACHINE.

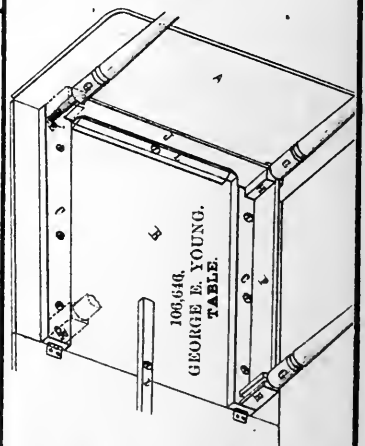
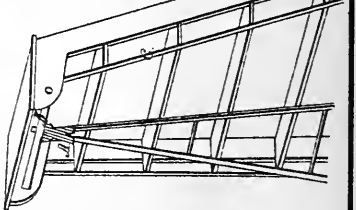


106,643, DAVID S. WOOD.  
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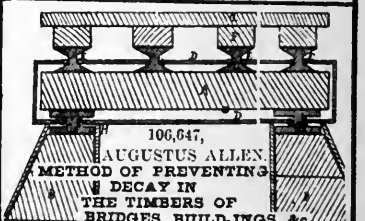
106,644, EUGENE KINCAID WOOD.  
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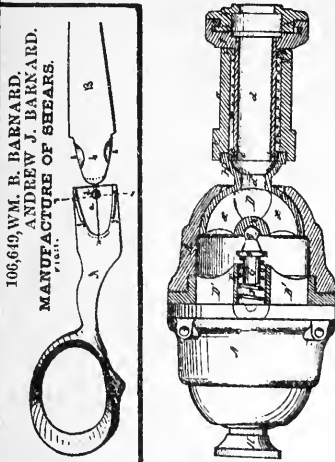
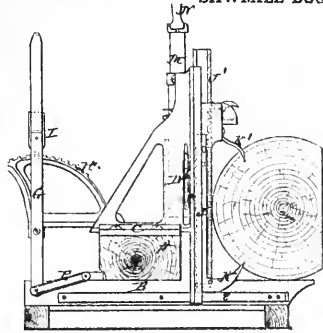
106,645, SAMUEL WRIGHT.  
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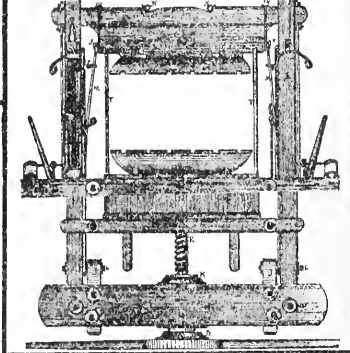
106,646.  
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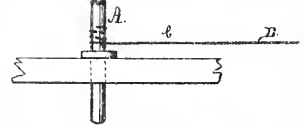
106,647,  
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106,648, SAMUEL A. APPOLD. STEAM  
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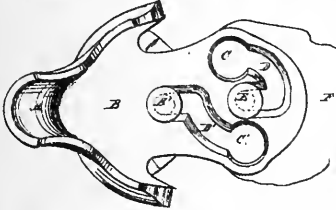
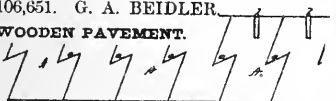
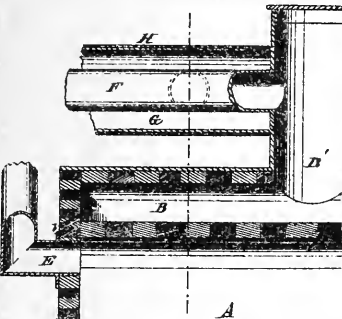
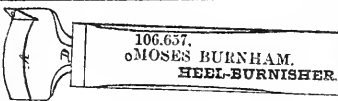
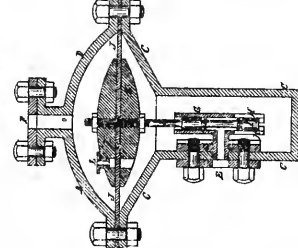
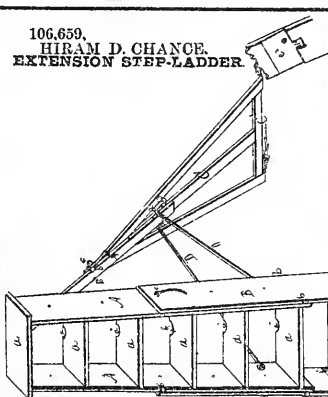
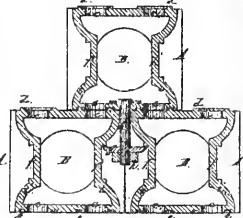
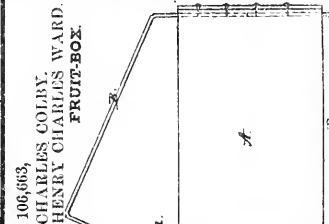
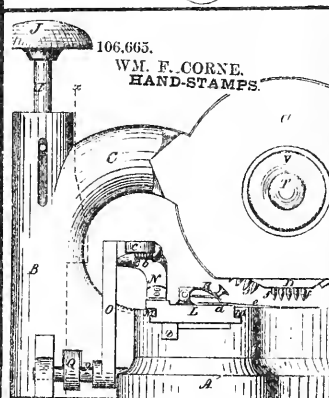
106,660, M. D. CHEEK. BALING-PRESSES.



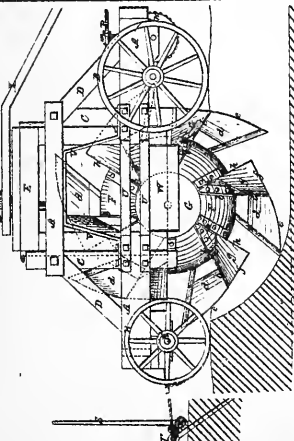
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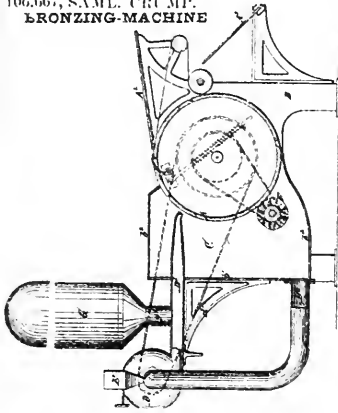
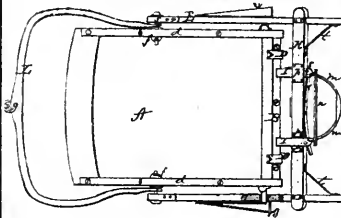


106,650, DANIEL L. BATES. STOVE-LEG.

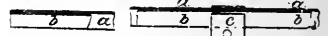
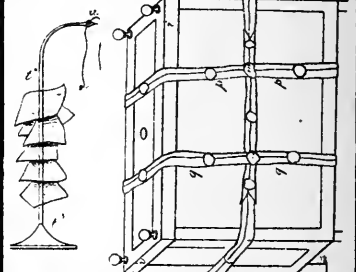
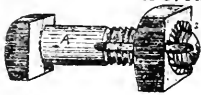
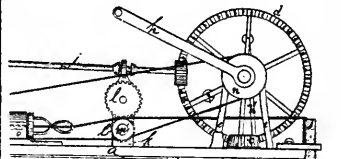
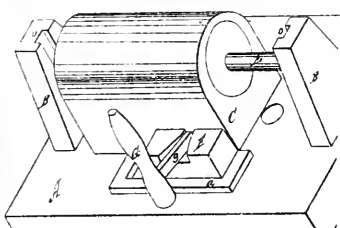
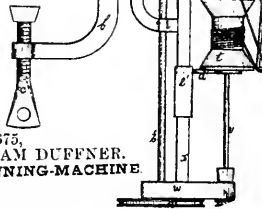
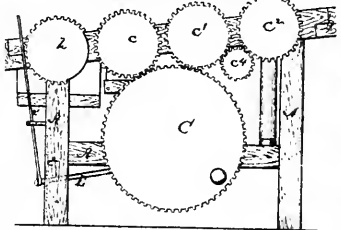
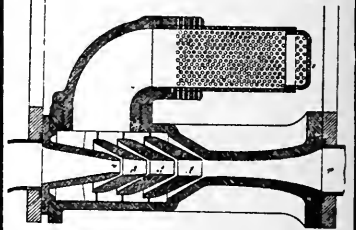
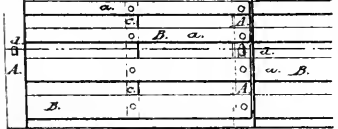
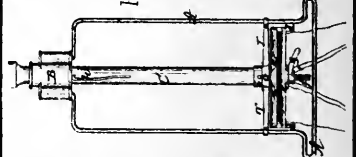
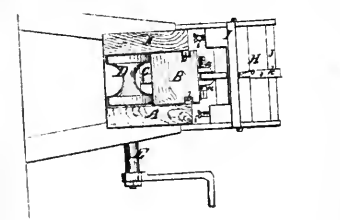
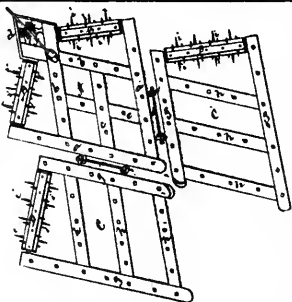
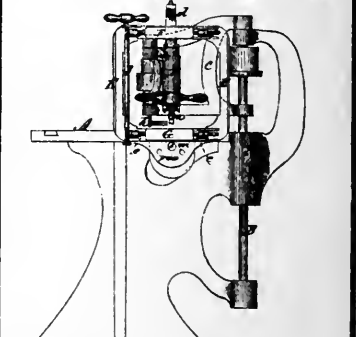
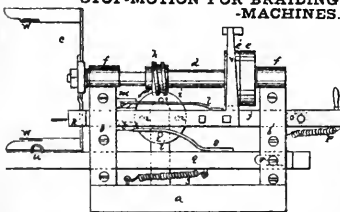
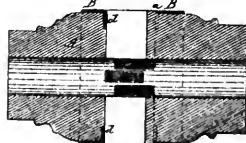
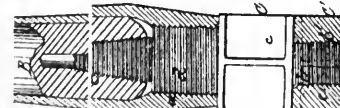
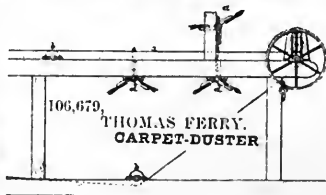
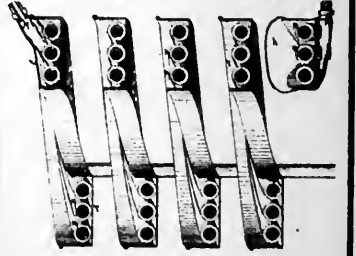
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106,666, A. W. ORAMER. BED-BOTTOM.

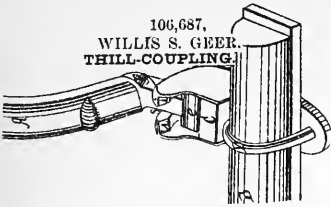
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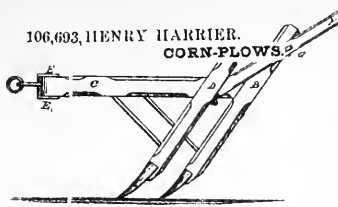
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106,682, G. A. FREBAULT.  
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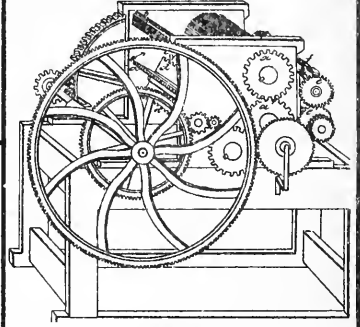
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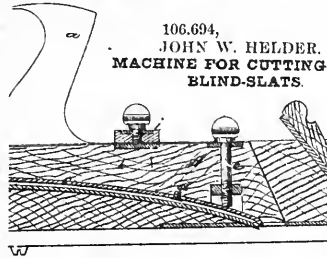
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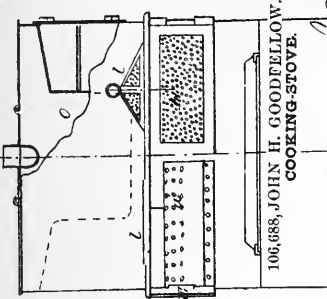
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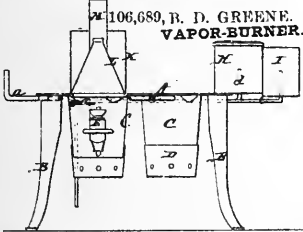
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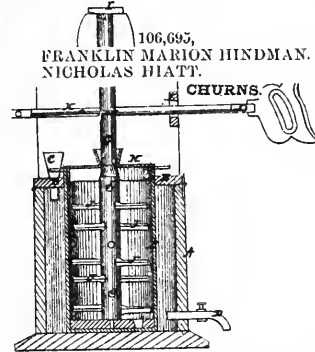
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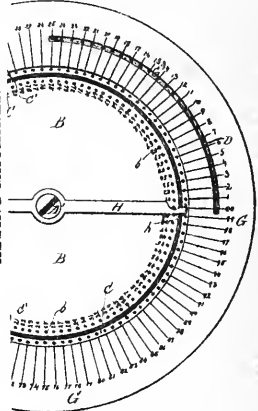
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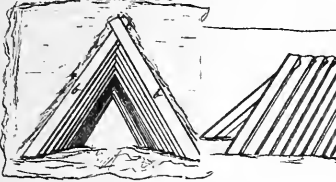
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106,701,  
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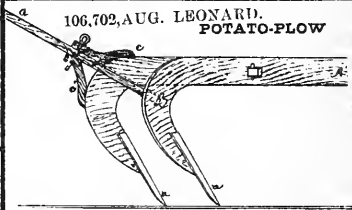
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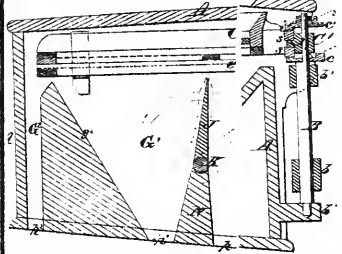
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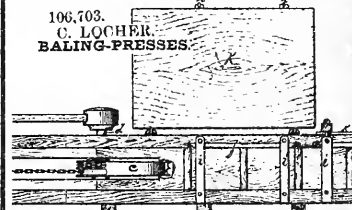
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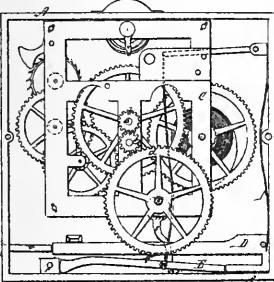
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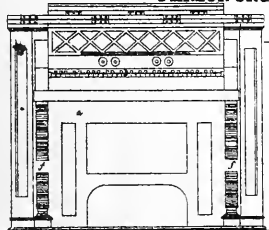
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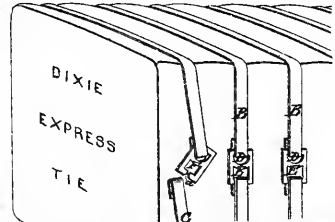
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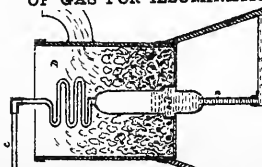
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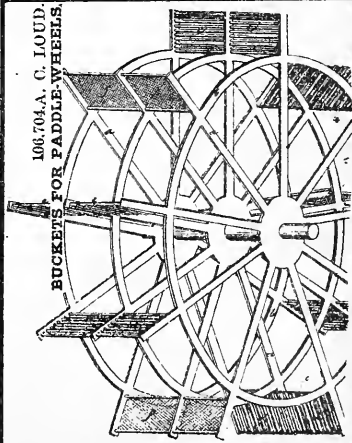
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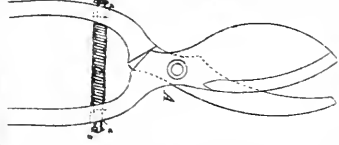
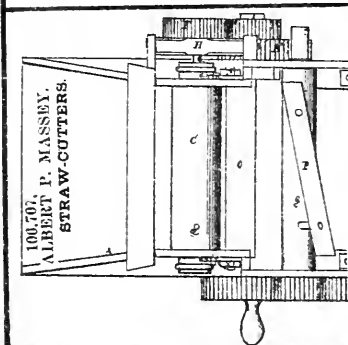
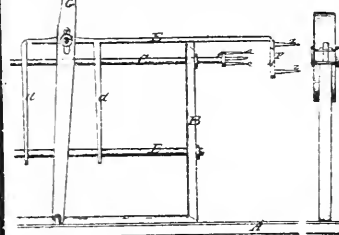


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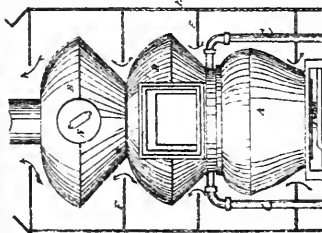
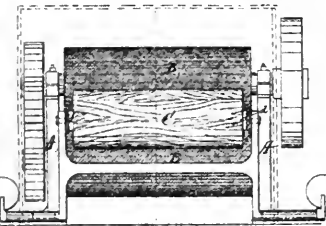
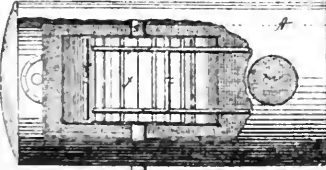
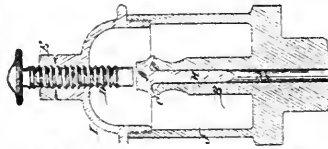
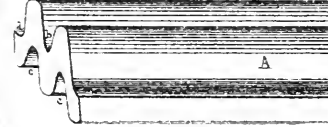
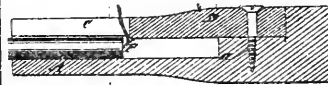
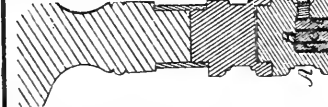
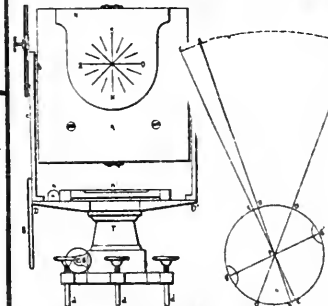
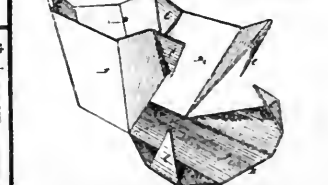
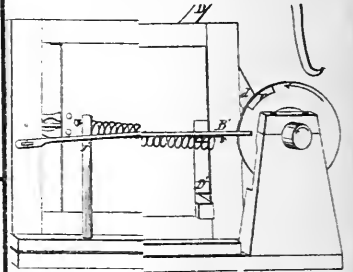
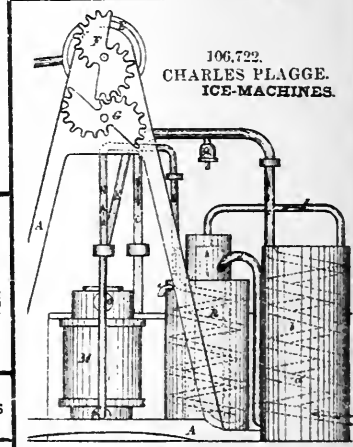
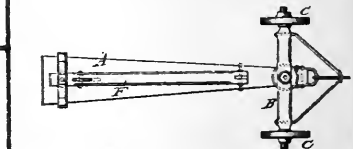
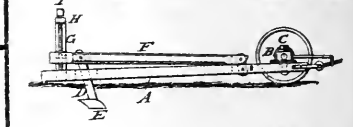
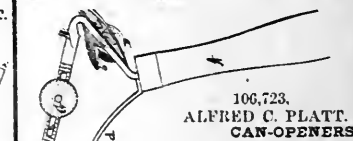
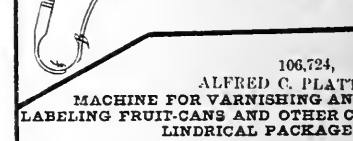
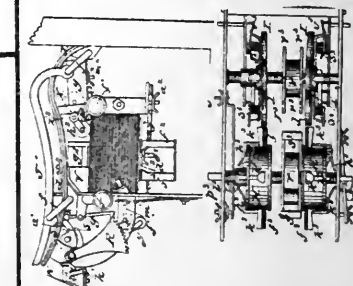


106,704, A. C. LIOUD.  
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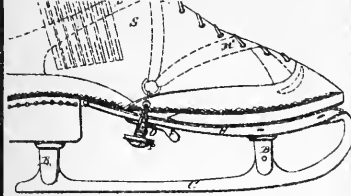
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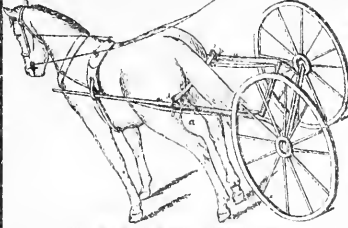
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HAND STAMP.106,717, JAMES O'FRIEL.  
TREATING BITUMINOUS SUBSTANCES  
FOR PAVEMENTS, &c.106,718, F. M. PANNETRAT.  
SOLAR-TIME INSTRUMENT.106,719, SANFORD D. PAYNE.  
FRUIT-BASKET106,720, NOAH C. PERRY. MACHINES  
FOR BENDING WIRE SCREW-EYES.106,721, ALFRED PETERSON.  
MOLE-DITCHING MACHINE.106,722, CHARLES FLAGGE.  
ICE-MACHINES.106,723, ALFRED C. PLATT.  
CAN-OPENERS.106,724, ALFRED C. PLATT.  
MACHINE FOR VARNISHING AND  
LABELING FRUIT-CANS AND OTHER CY-  
LINDRICAL PACKAGES.



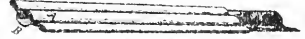
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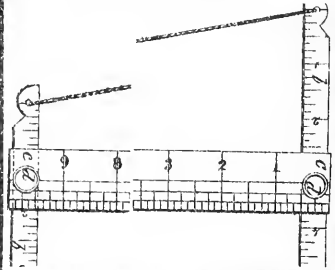
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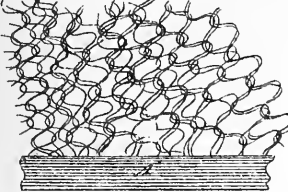
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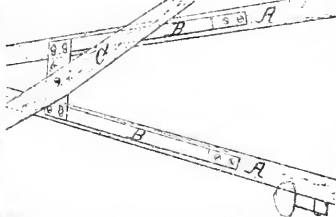
106,741, SAMUEL T. TAYLOR. GAUGE FOR CUTTING BIAS PIECES OF CLOTH.



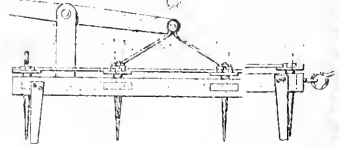
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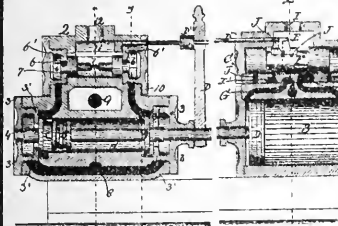
106,733, NELSON S. SHIELDS. CULTIVATORS.



106,742, CORNELIUS THAYER. LEMAN L. THOMAS. HARROWS.



106,727, LOUIS C. RODIER. PUMPING-ENGINE.



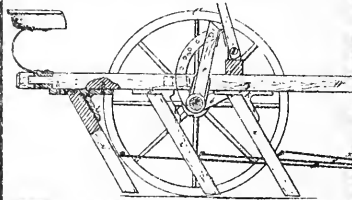
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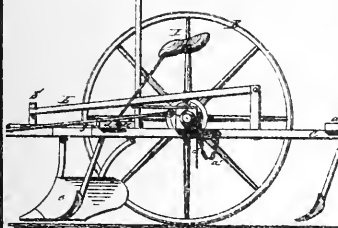
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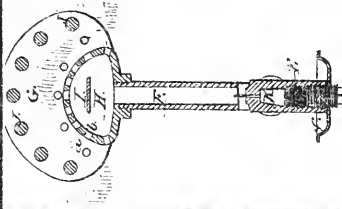
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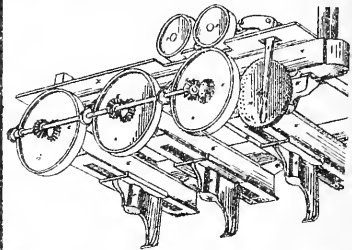
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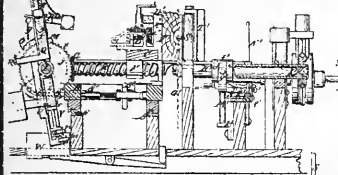
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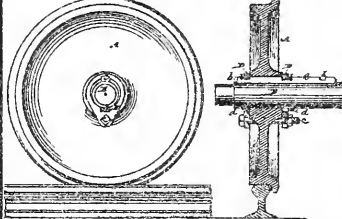
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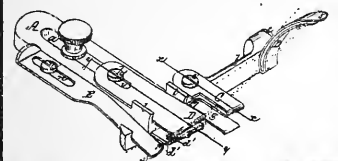
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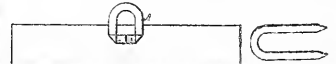
106,737, W. B. SNOW. MEANS FOR ADJUSTING CAR-WHEELS TO DIFFERENT GAUGES.



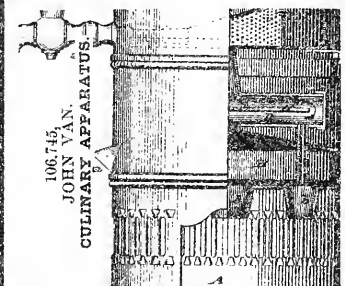
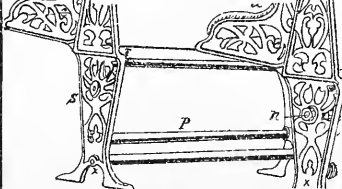
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106,738, D. M. SOMERS. SUSPENSION RINGS.

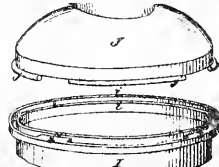


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106,745, JOHN VAN. CULINARY APPARATUS.

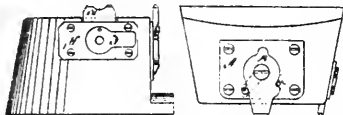
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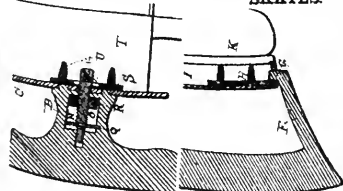
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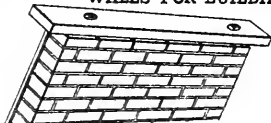
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ABRAM L. SOUDDER.  
CALK FOR BOOTS AND SHOES.



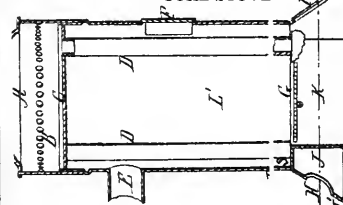
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SKATES.



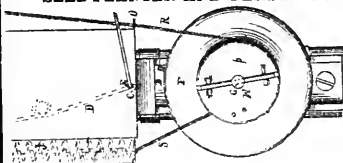
106,749, JAMES WEATHERS.  
WALLS FOR BUILDINGS.



106,750, JONATHAN R. WEBBER.  
COAL-STOVE.



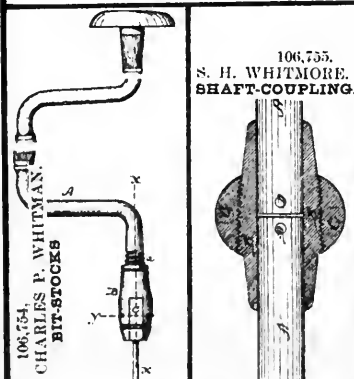
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SEED-PLANTER AND FERTILIZER



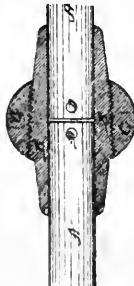
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SHUTTLE FOR SEWING-MACHINE



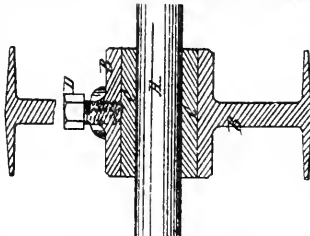
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106,755,  
S. H. WHITMORE.  
SHAFT-COUPLING.



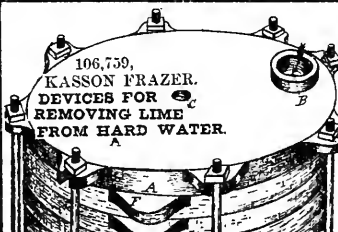
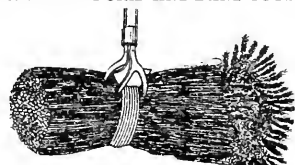
106,756, SETH H. WHITMORE.  
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106,757, HENRY W. WICKER.  
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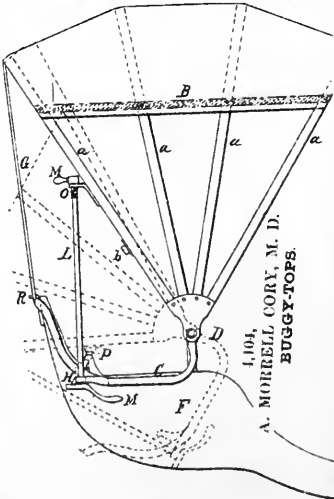
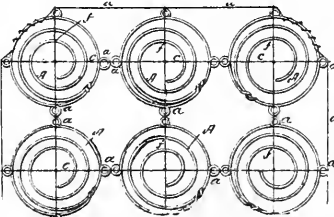


106,758, MILTON WENGER.  
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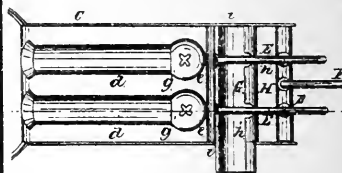
106,759,  
KASSON FRAZER.  
DEVICES FOR  
REMOVING LIME  
FROM HARD WATER.

4,103, EDWIN L. BUSHNELL.  
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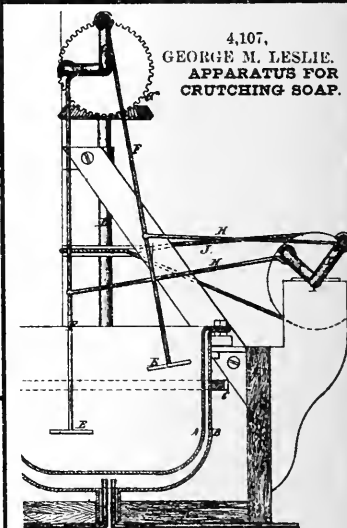
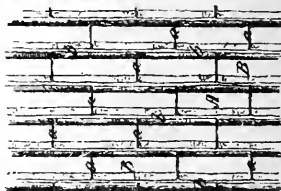


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BUGGY-TOPS.

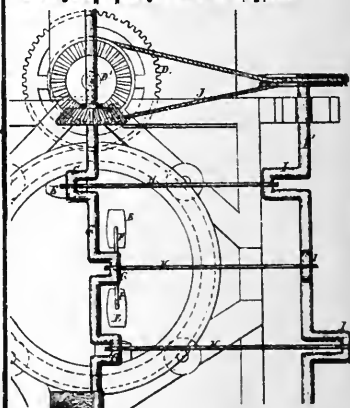
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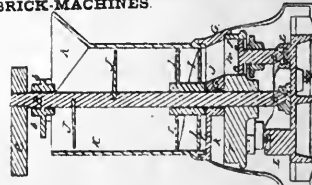
4,106, C. GUIDET.  
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4,107,  
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4,108,  
U. S. BRICK MACHINE COMPANY  
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## ILLUSTRATIONS OF PATENTS

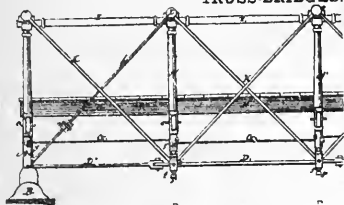
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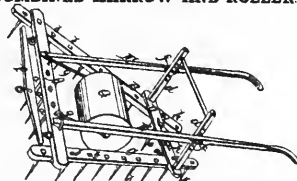
106,760, JOHN S. ADAMS.

TRUSS-BRIDGES.



106,765, TIMOTHY BAILEY.

COMBINED HARROW AND ROLLER.



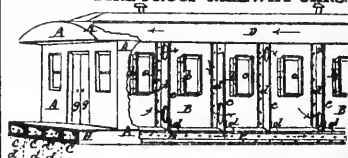
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CURTAIN-CORD TIGHTENER.

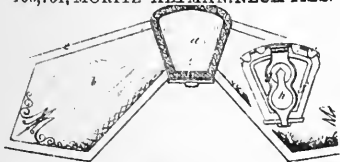


106,771, GEO. C. BESTOR.

FIRE-PROOF RAILWAY-CARS.

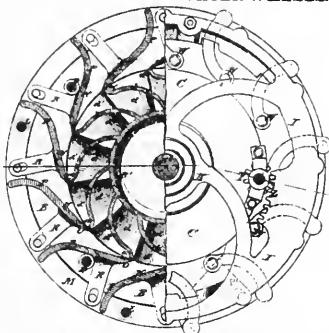


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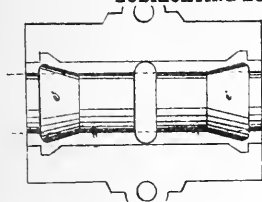
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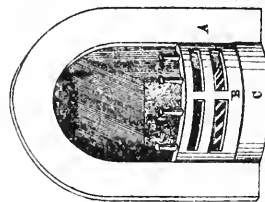
106,762, CHARLES ANDREWS.

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106,772, FRANK S. BISSELL.

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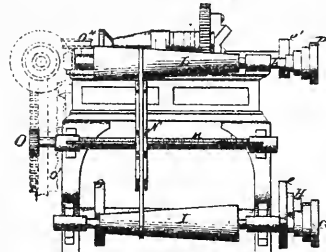
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106,767, FREDERICK BALDWIN.

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106,774, THEODOR BOSSHARD.

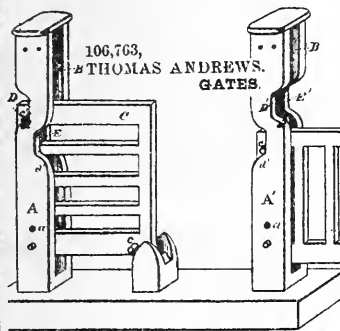
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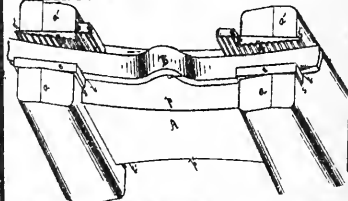
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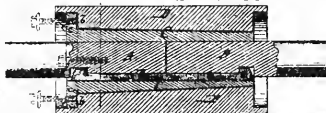
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MACHINE FOR UPSETTING TIRES.



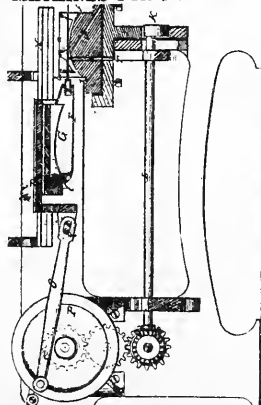
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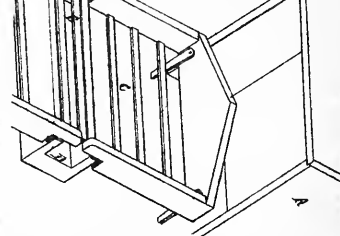
MACHINES FOR BENDING FORKS.



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SANFORD S. BURE.

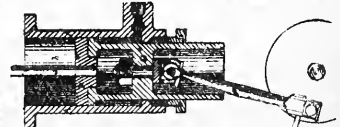
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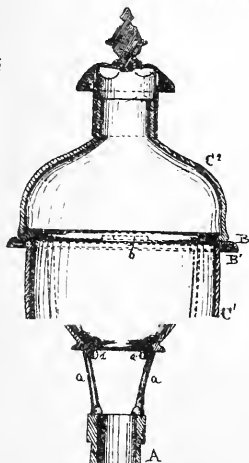
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STEAM-ENGINE.



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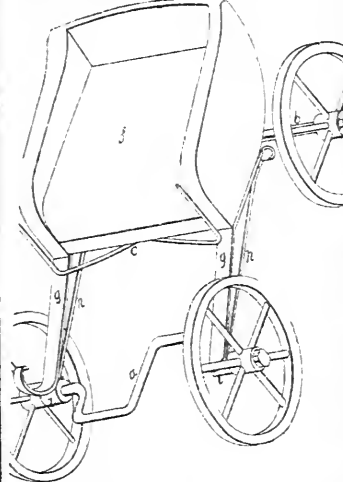
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JOSEPH CASH, JUNR.  
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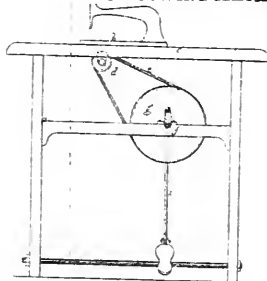
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SPADES AND SHOVELS.



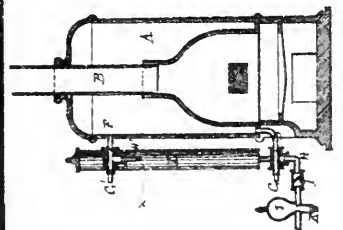
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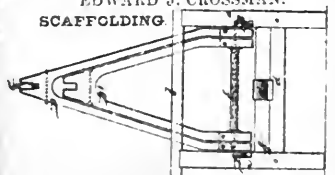
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106,782, HENRY V. COLEMAN.  
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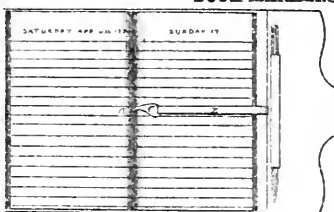


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EDWARD J. CROSSMAN.  
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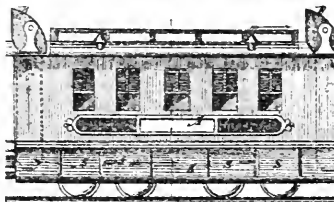


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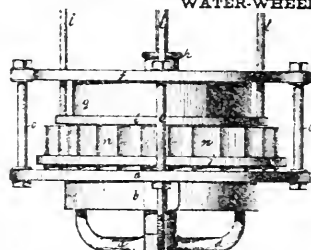
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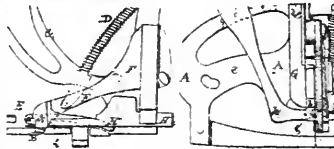
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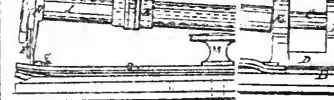
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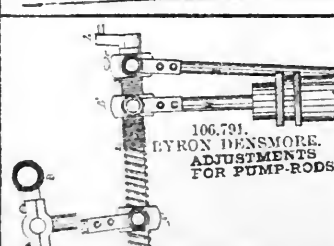
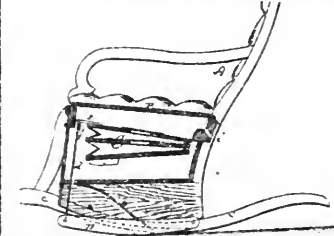
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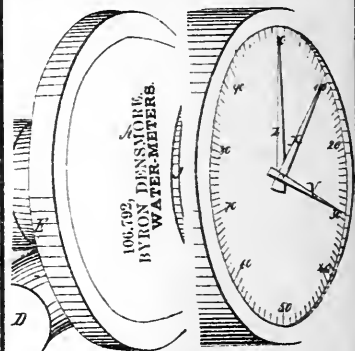
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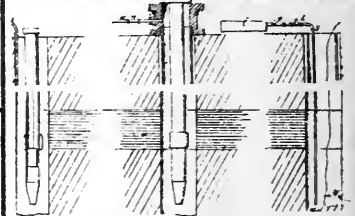
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106,791.  
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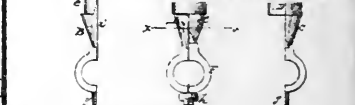
106,793, JAMES DICKEY.  
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106,794, JAMES DICKEY.  
TORPEDOES FOR OIL-WELLS.



106,795, MOSES W. DILLINGHAM.  
PENCIL-SHARPENERS.



106,796, GEORGE L. DULANEY.  
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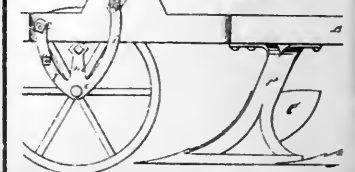
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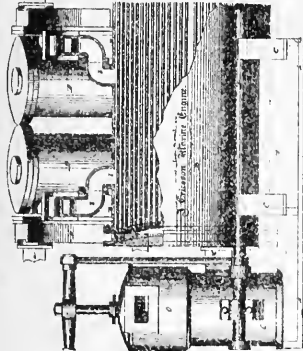
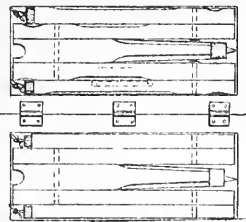
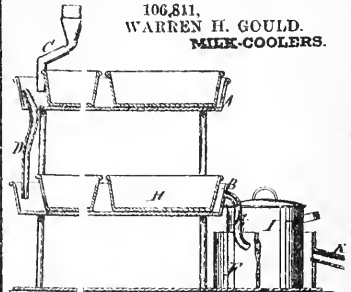
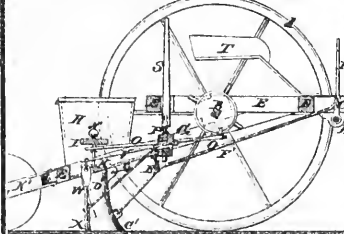
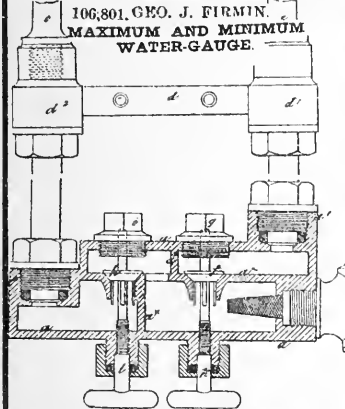
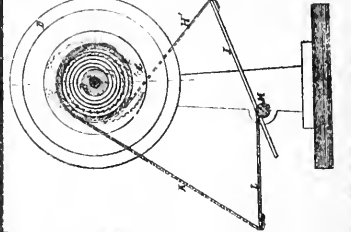
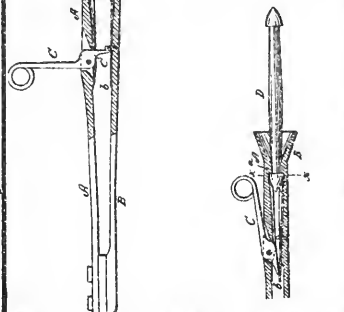
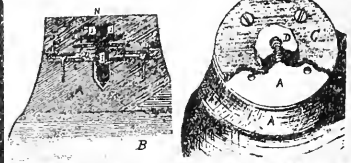
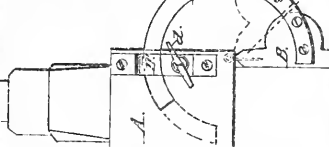
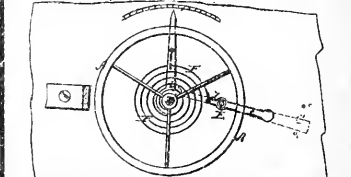
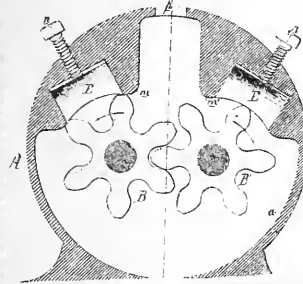
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CHARLES EGNOR.  
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LOWERING ICE.



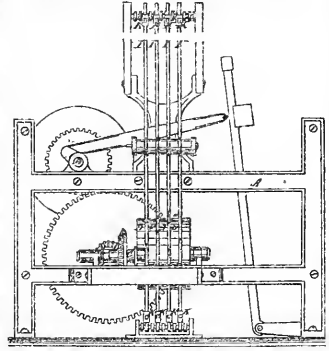
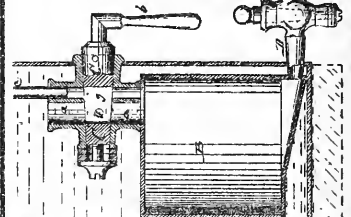
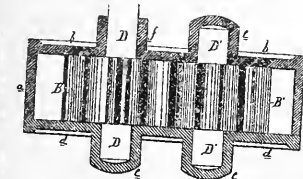
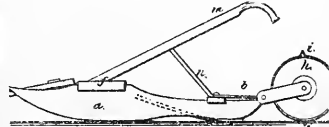
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GANG-FLOWS.



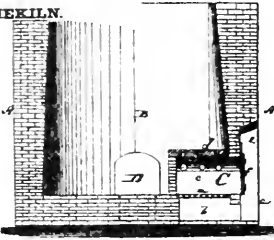
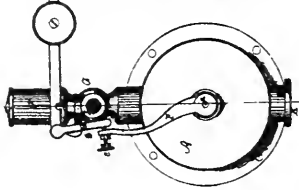
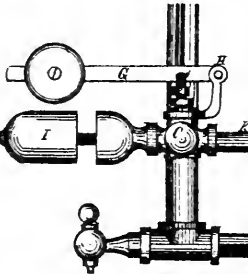
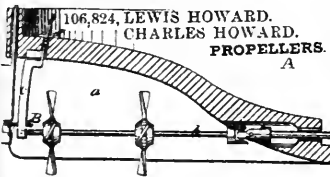
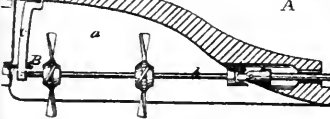
106,800, J. ERICSSON, MARINE ENGINES.

106,805, CHARLES A. FRENCH.  
FOLDING SEAT.106,811,  
WARREN H. GOULD.  
MILK-COOLERS.106,806, WILLIAM E. FRICKE.  
COMBINED PLANTER AND SEEDER.106,812, DR. JOHN A. GRISWOLD.  
FIRE-ESCAPES.106,801, GEO. J. FIRMIN.  
MAXIMUM AND MINIMUM  
WATER-GAUGE.106,813, CHARLES M. GUESS.  
TREADLE-MOTION.106,807,  
JAMES H. FROMAN.  
CAR-COUPLING.106,814, H. F. HARRIS,  
G. P. PINNEY.  
BOOT AND SHOE-HEELS.106,808, MICHAEL GARLAND.  
PLANE-GUIDE.106,815, WILLIAM HART.  
ESCAPEMENTS FOR WATCHES, &c.106,803, HENRY G. FISKE.  
MACHINE FOR FORMING  
SHEET-METAL MOLDINGS.

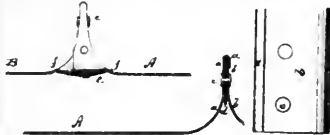
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106,816, FRANCIS C. HEISEL.  
MEASURING FAUCETS.106,804, GEORGE STORES FOLLANSBEE.  
ROTARY STEAM-ENGINE OR PUMP.106,810, OZIAS W. GOSLEE.  
TOBACCO-RIDGER.106,817,  
JOHN R. HILLER.  
CARRIAGES.

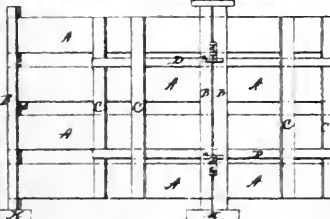


106,818. D. HILLS.  
LIME-KILN.106,819. CONSTANTINE HINGHER.  
COVERING METAL ARTICLES  
WITH INDIA RUBBER.106,820. GEO. M. HOPKINS.  
JOHN A. STRAIGHT.  
LOW-WATER INDICATOR.106,821. GEO. M. HOPKINS.  
JOHN A. STRAIGHT.  
LOW-WATER AND  
HIGH-PRESSURE INDICATOR.106,822. HIRAM HOPKINS.  
BOOM-CROTCH SUPPORTERS.106,823. JAMES S. HOWARD.  
COLORING GUN-BARRELS.106,824. LEWIS HOWARD.  
CHARLES HOWARD.  
PROPELLERS.

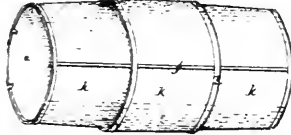
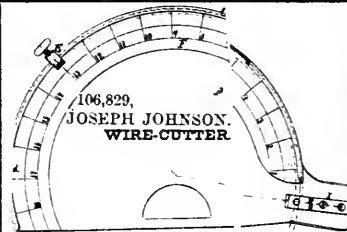
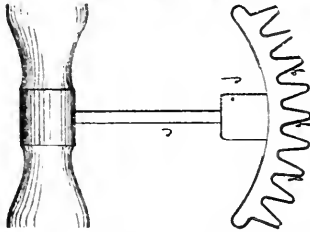
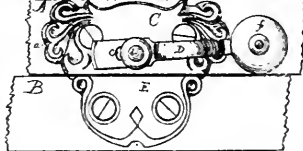
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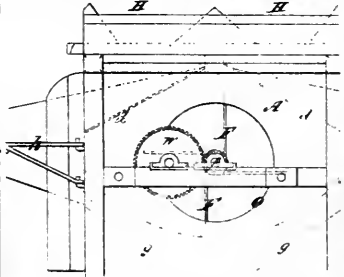
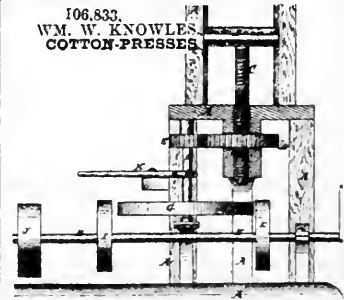
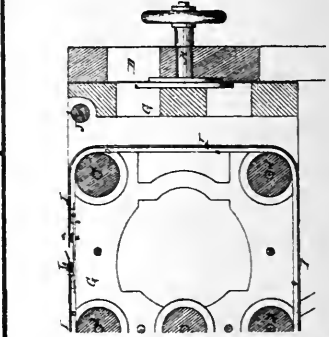
106,826. ELI HUNT. PORTABLE FENCE.



106,827. GEORGE M. HUNTLY. BARREL.

106,828. CHARLES HYATT.  
FLUTING AND SAD-IRON.106,829.  
JOSEPH JOHNSON.  
WIRE-CUTTER.106,830. FREDK. W. JUDD. LOCKS  
GEORGE M. HUBBARD.  
FOR THE MEETING RAIL OF SASHES.

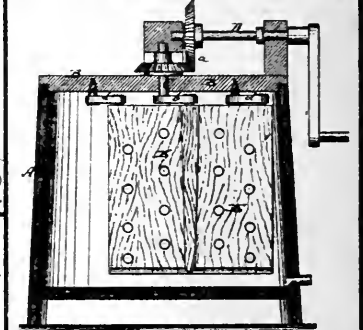
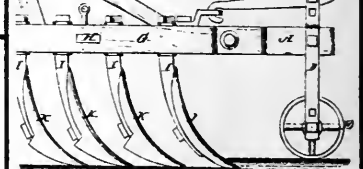
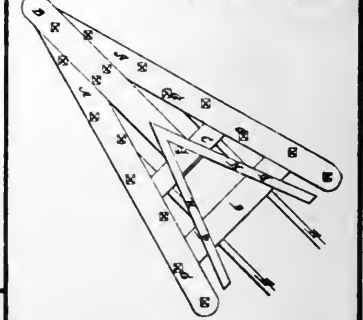
106,831. DANIEL KANE. FANNING-MILLS.

106,832. JOHN STAFFORD KELLY. C. E.  
PAVEMENTS.106,833.  
WM. W. KNOWLES.  
COTTON-PRESSES.106,834. JOSEPH KRAFT. MACHINERY  
FOR PRINTING OIL-CLOTH &c.

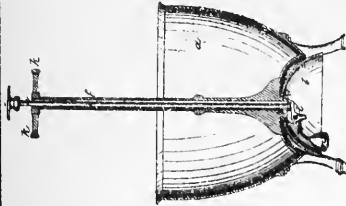
106,835. JOHN W. KRAMER. DOOR-STRIPS.



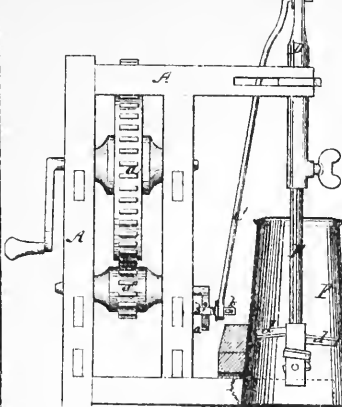
106,836. HERMANN KUHLMANN. CHURNS.

106,837. JACOB M. LANDES.  
COMBINED PLOW AND  
CULTIVATOR.106,838. JOHN LANE.  
MANUFACTURE OF PLOWSHARES.106,839. ALCIDE LANDRY.  
SUGAR-CANE SCRAPER.

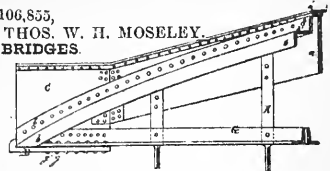
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CALL-BELL AND VESSEL



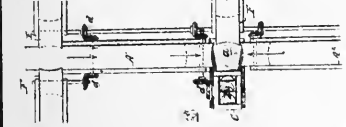
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CHURNS.



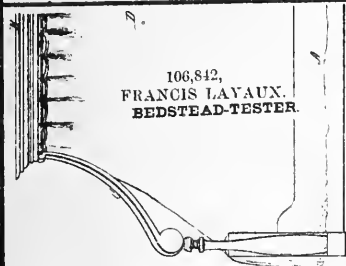
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BRIDGES.



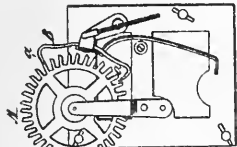
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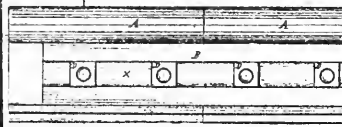
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BEDSTEAD-TESTER.



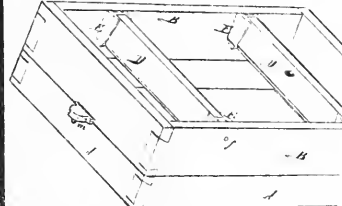
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CLOCK-ESCAPEMENTS.



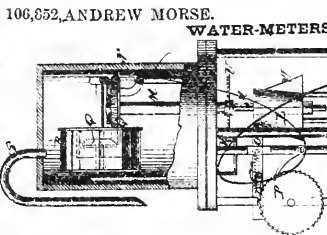
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LOCK-NUTS AND SPLICE-BARS.



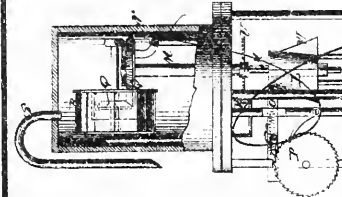
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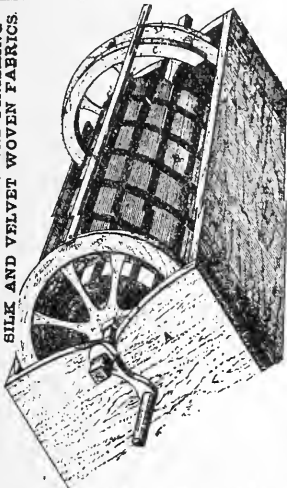
106,851, CAMPBELL MORFIT.  
TREATMENT OF GUANO AND THE  
MANUFACTURE OF FER-TILIZERS.



106,852, ANDREW MORSE.  
WATER-METERS.



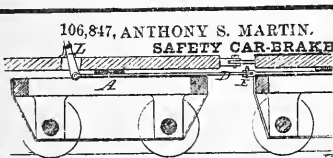
106,844, E. MAFAT.  
REEL FOR DYEING AND FINISHING  
SILK AND VELVET WOVEN FABRICS.



106,845, JOHN MARCHBANK.  
CONSTRUCTION OF BRUSHES.

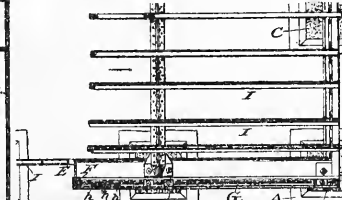


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MEDICAL COMPOUND.

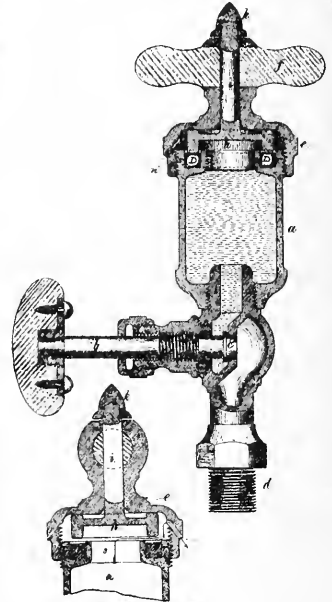


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SAFETY CAR-BRAKE

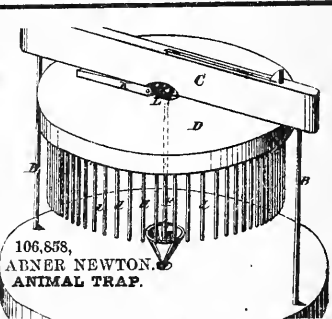
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IRON BUILDINGS.



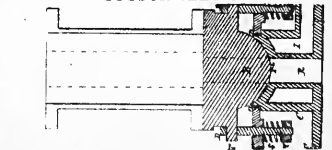
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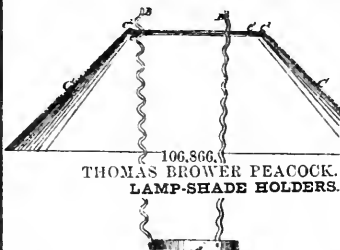
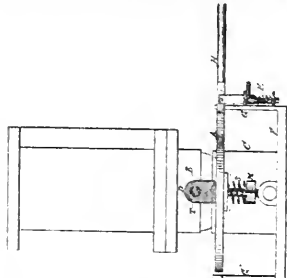
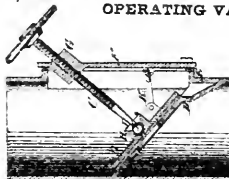
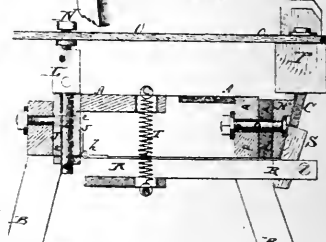
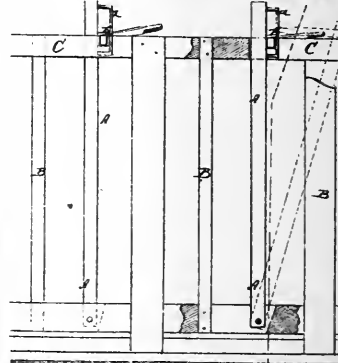
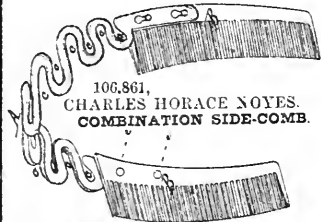
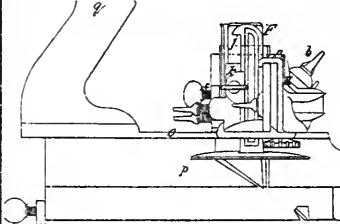


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AERNER NEWTON.  
ANIMAL TRAP.

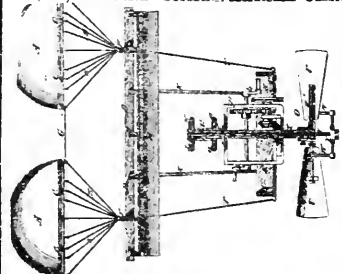
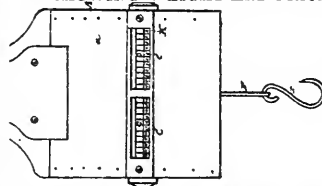
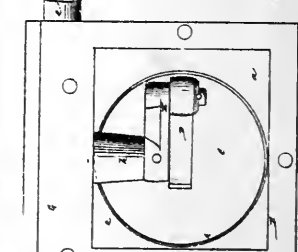
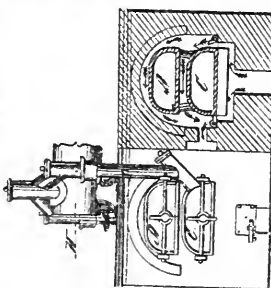
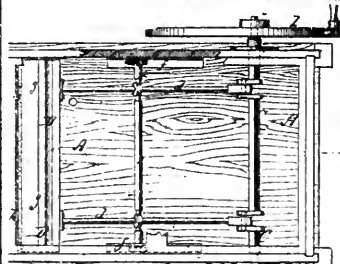
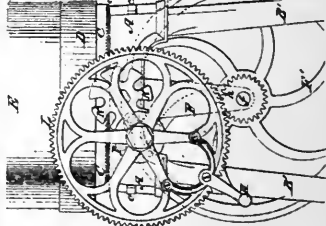
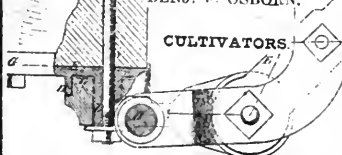


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COTTON-SEED PLANTERS.

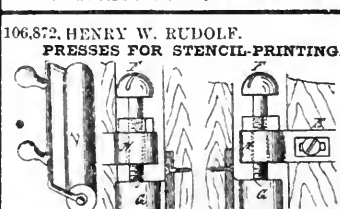
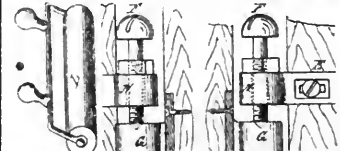


106,860, AUGUST NITTINGER, JR.  
OSCILLATING STEAM-ENGINES.106,866,  
THOMAS BROWER PEACOCK.  
LAMP-SHADE HOLDERS.106,867, ABRAHAM L. PENNOCK.  
OPERATING VALVES.106,874, JAMES F. SAYER.  
STAVE-JOINTER.106,875, EDWARD SCHARNIKOW.  
COMPOUND OR "ROUGH STUFF" TO BE  
APPLIED TO CARRIAGE-BODIES &c.106,876, JOHN D. SCOTT.  
CATTLE-STANCHIONS.106,861,  
CHARLES HORACE NOYES.  
COMBINATION SIDE-COMB.106,868, RUSSELL PHILLIPS.  
CARPENTERS' PLANE.

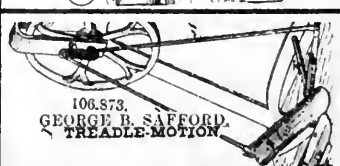
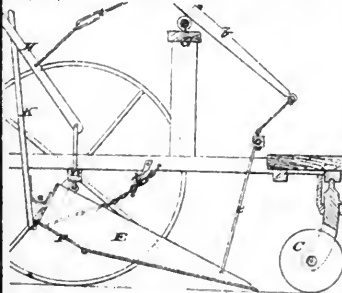
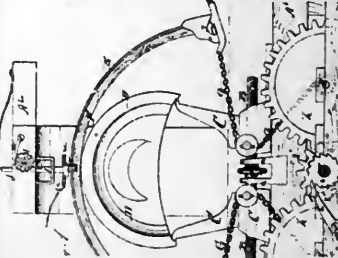
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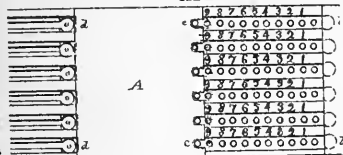
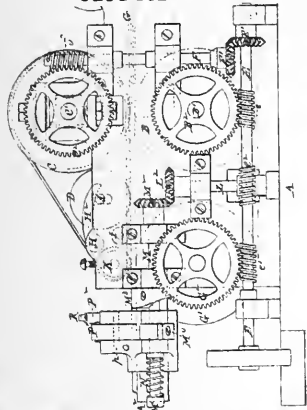
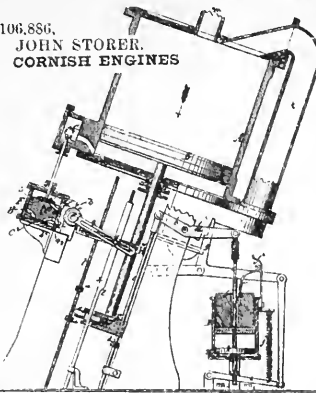
106,869, W. H. PHINNEY. SCALES FOR  
SHOWING WEIGHT AND PRICE.106,877, THOMAS C. SCOTTRON.  
SIDNEY PLUMMER.  
COMPOSITION FOR BLACKING  
STOVES, &c.106,878, HENRY C. SERGEANT.  
LIQUID-METERS.106,863, TIMOTHY OMEARA.  
APPARATUS FOR  
PRODUCING GAS FROM COAL.106,870, JOHN PREHN.  
WASHING-MACHINE.106,879, ALBERT R. SILVER.  
MEAT-CHOPPER.106,864,  
BENJ. F. OSBORN.

CULTIVATORS

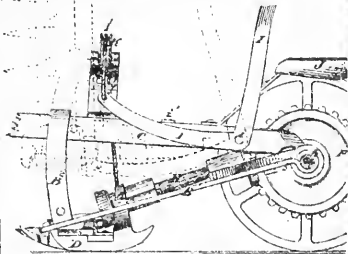
106,871,  
E. F. RICHTER. CLEANSING WOOL106,872, HENRY W. RUDOLF.  
PRESSES FOR STENCIL-PRINTING.

106,865, S. R. OWEN. EARTH-SCRAFER.

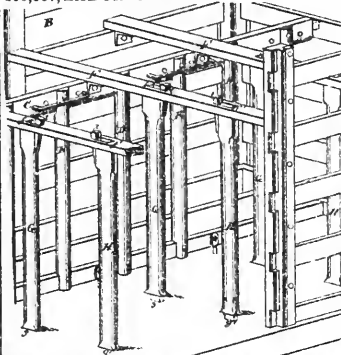
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GEORGE B. SAFFORD.  
TREADLE-MOTION106,880, AMES K. B. SOLOMON.  
MACHINE FOR BENDING WOOD

106,881, CHARLES E. SPEAR.  
ADDING-MACHINE.106,882, L. W. SPENCER. PROCESS FOR  
MANUFACTURING PLUG TOBACCO.106,883, L. W. SPENCER.  
PLUG-TOBACCO MACHINES.106,886,  
JOHN STORER.  
CORNISH ENGINES

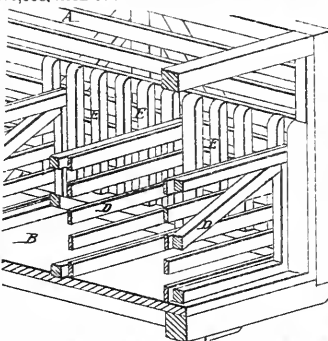
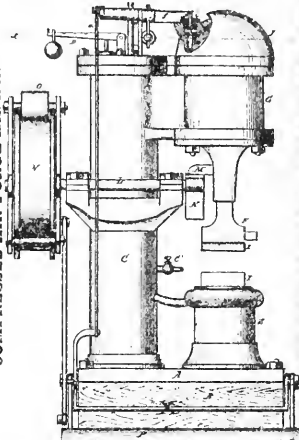
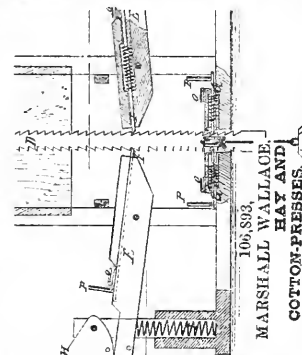
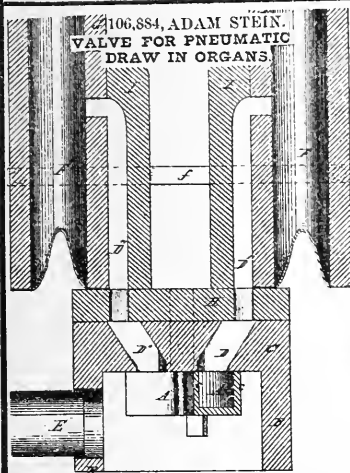
106,891, JOHN S. TRUXEL. HARVESTERS.



106,887, ZADOK STREET. STOCK-CARS.

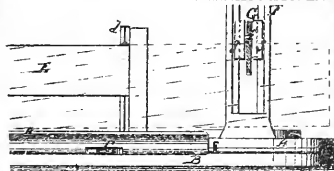
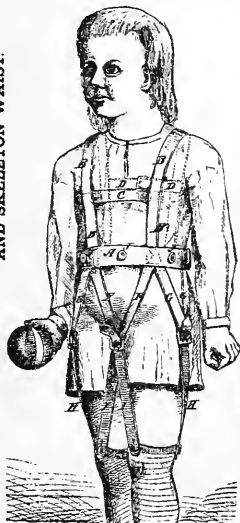
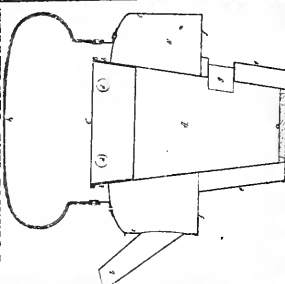
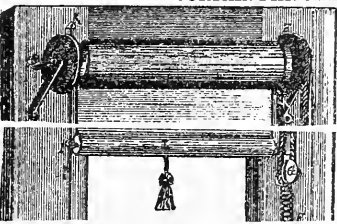
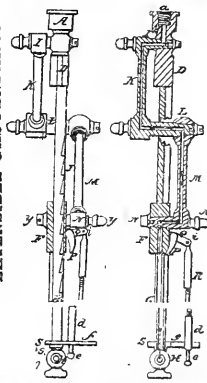


106,888, ZADOK STREET. STOCK-CARS.

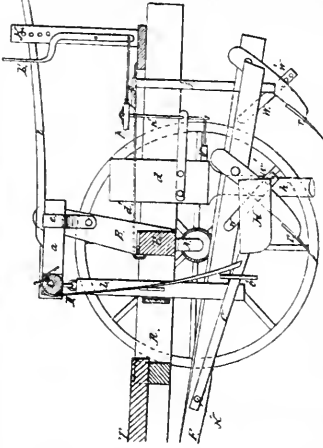
106,892, CHARLES VOGEL.  
COMPRESSED-AIR FORGE-HAMMER.106,884, ADAM STEIN.  
VALVE FOR PNEUMATIC  
DRAW IN ORGANS.106,893,  
MARSHALL WALLACE.  
HAY AND  
COTTON-PRESSES.

106,894, DANIEL B. WARE.

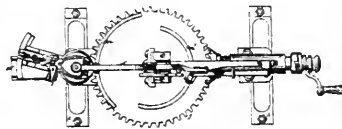
MITER-MACHINE.

106,885, AUGUSTA M. STIGER.  
COMBINED STOCKING-SUPPORTER  
AND SKELETON WAIST.106,889, ABEBA L. TAYLOR.  
GEORGE C. SEITCHULL.  
COMBINED  
FURNACE AND TEA-KETTLE.106,890, C. M. THIELCKE.  
CURTAIN-FIXTURE.106,895, GEORGE WARNER.  
EXTENSIBLE GAS-PENDANTS.

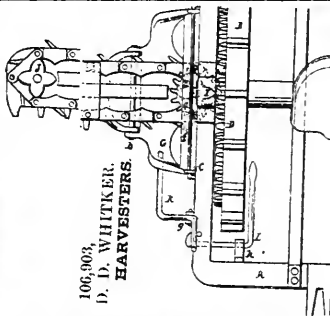
106,896, JAMES B. WATT.  
JOHN C. WATT.  
SEEDING-PLOWS AND PLANTERS



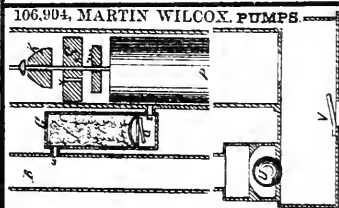
106,901, JOHN C. WHITE.  
HEEL-ROUNDING MACHINES.



106,902, JOHN L. WHITING. BRUSHES.



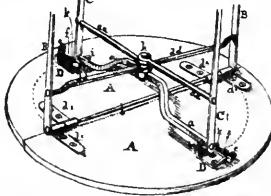
106,903,  
D. D. WHITKER.  
HARVESTERS.



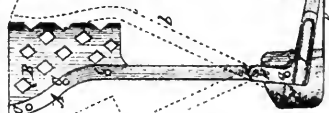
106,904, MARTIN WILCOX. PUMPS.

106,905, WILLIAM M. <sup>his</sup> X WILSON.  
DALLAS S. DENTON.  
MEDICAL COMPOUND.

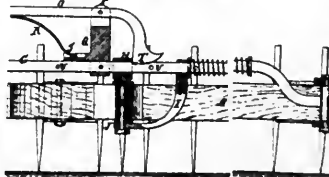
106,906, ALBERT WINDECK.  
FOLDING TABLE.



106,907, GEORGE B. WOOD.  
APPARATUS  
FOR TREATING CLUB FEET.



106,908, STEPHEN WOODARD. HARROW.  
ALBERT WOODARD.



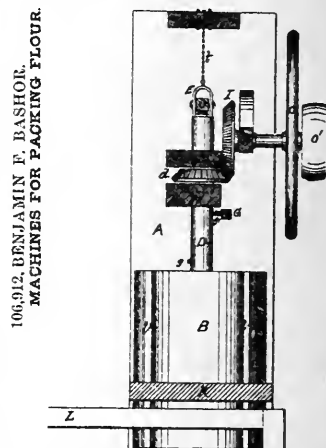
106,909, CHAS. E. YAGEL.  
BLACKING-BOX AND BRUSH.



106,910,  
HENRY J. ALVORD.  
WOOD-PAVEMENT.



106,911, DANIEL ARNDT. CEMENT.

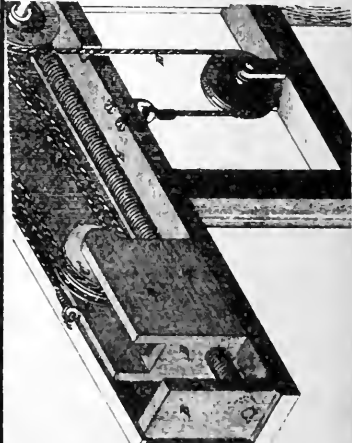


106,912, BENJAMIN F. BASHOK.  
MACHINES FOR PACKING FLOUR.

106,913, JOSEPH M. BATCHELOR.  
TRACK-LIFTER.

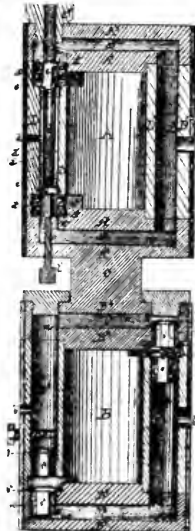


106,914, MICHAEL K. CARPENTER.  
HOISTING APPARATUS.



106,915, G. CHEVRIER.  
TREATING ACID TARs FROM COAL.

106,899, G. WESTINGHOUSE, JR.  
STEAM ENGINE AND PUMP.

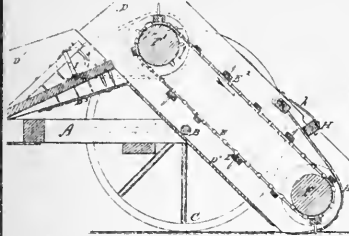
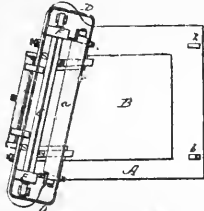
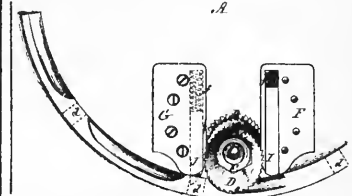
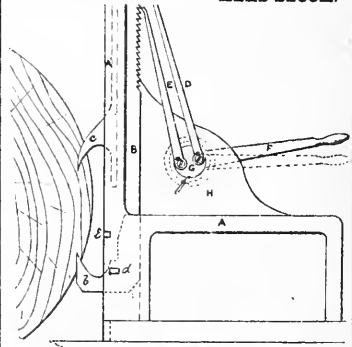


106,900, LEVI WHARTON. CLAMP.



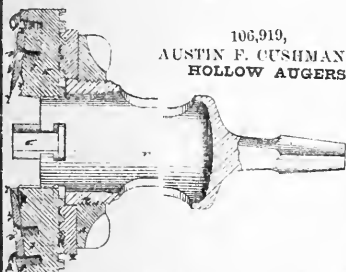
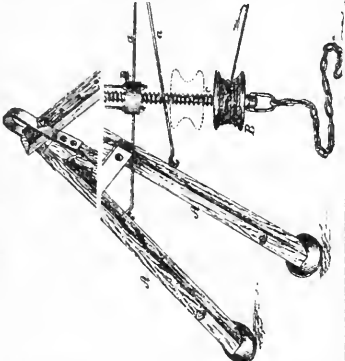
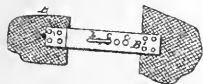
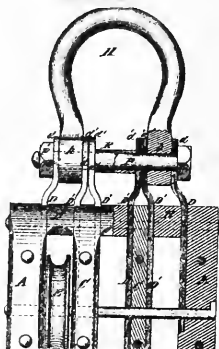
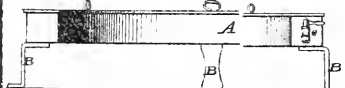
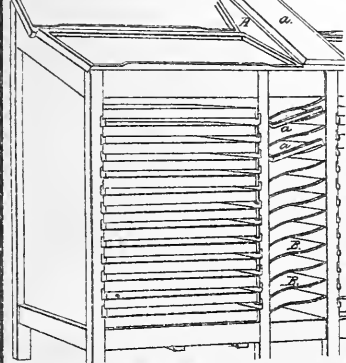
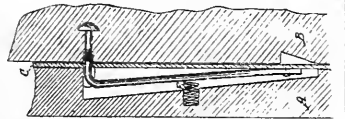


106,916, DAVID CLAGETT. HAY-LOADERS.

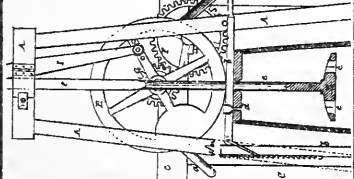
106,923, WILLIAM W. DUDLEY.  
LIQUID SLATING FOR FORMING  
BLACK-BOARDS, &c.106,924, CHAS. A. ENSIGN.  
APPARATUS FOR THE MANUFACTURE  
OF ELASTIC FABRICS.106,925, GEORGE PENRICE FARMER.  
SPOOL AND NEEDLE-THREADER.106,931, HENRY A. GORE. MACHINE FOR  
ROUNDING FELLIES FOR WHEELS.106,932, HENRY H. GRIDLEY.  
HEAD-BLOCK.

106,918, B. R. CROASDALE.

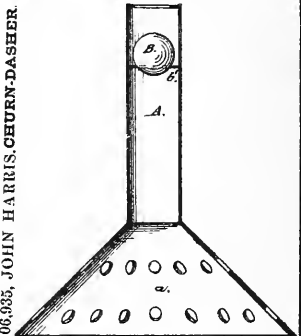
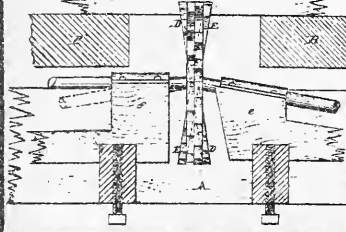
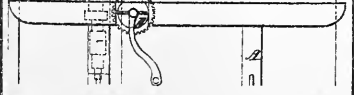
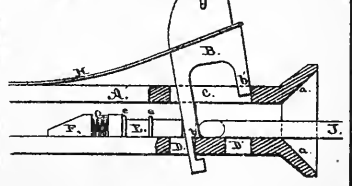
FERTILIZERS.

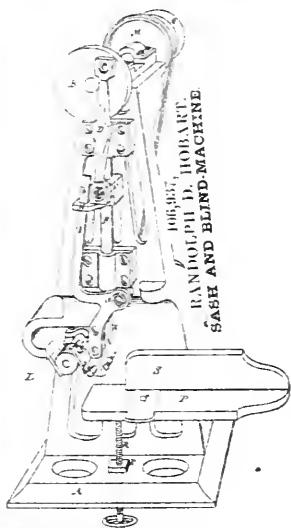
106,919,  
AUSTIN F. CUSHMAN.  
HOLLOW AUGERS.106,926, ENOCH FARNSWORTH.  
STUMP-EXTRACTOR.106,920, JOSEPH E. DALLOX.  
FASTENING FOR GARMENTS.106,933,  
J. F. HARCOURT.  
TACKLE-BLOCKS.106,927, JOSHUA R. FAUS.  
APPARATUS FOR SATURATING  
FELLIES WITH OIL.106,934, THOMAS A. HARES.  
CORSET-SPRINGS.106,921,  
ALEXANDER T. DE PUY.  
CASE-STANDS.106,928, HENRY FICKEL.  
SASH-FASTENERS.

106,929, MOSES GASCON. CHURNS.



106,935, JOHN HARRIS. CHURN-DASHER.

106,922, JOSEPH DILL.  
DOVETAILING-MACHINE.106,930,  
PETER GEISER.  
L. P. THOMPSON.  
MACHINE  
FOR TONGUING  
AND GROOVING.106,936,  
CHARLES M. HOAG.  
CAR-COUPLING.

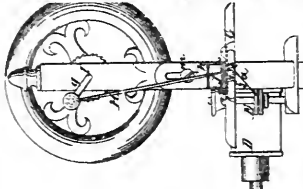


106,937,  
RANDOLPH D. HOBART.  
SASH AND BLIND-MACHINE.

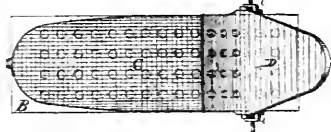
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FASTENINGS FOR POLICEMEN'S  
BADGES



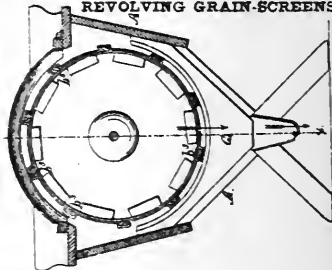
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SEWING-MACHINE.



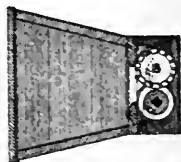
106,944, URSULA L. LEETE.  
VAPOR-BATH APPARATUS.



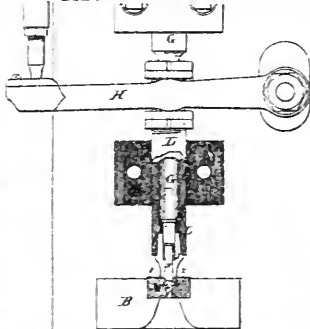
106,949, FRANCIS MILLS.  
REVOLVING GRAIN-SCREENS.



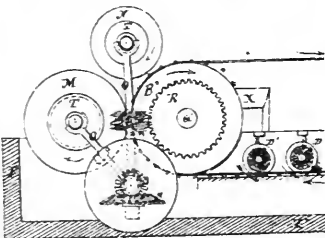
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M. L. NICKELS.  
FEEDER FOR  
GRAIN-DRILLS



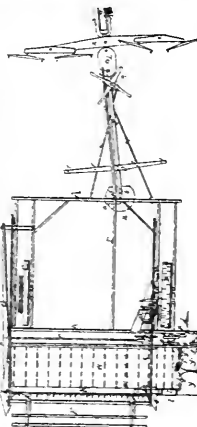
106,938, ESEK TALLMAN,  
NICHOLAS G. HOXSIE.  
DIES FOR FORMING EYELETS.



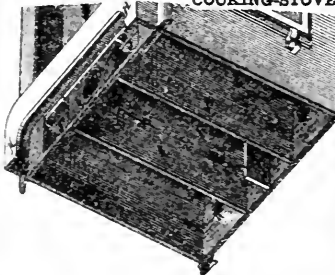
106,959, ESEK TALLMAN,  
NICHOLAS G. HOXSIE.  
MACHINES FOR CUTTING OUT THE  
ENDS OF EYELETS.



106,915,  
SYLVANUS D. LOUKE.  
MACHINES FOR CUTTING  
AND BINDING GRAIN.



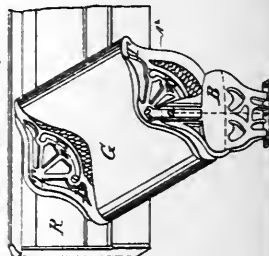
106,946, WM. B. MACKENZIE.  
COOKING-STOVE.



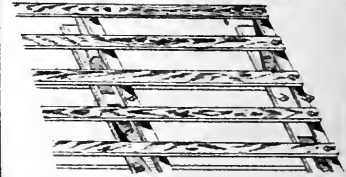
106,952, HENRY ODENKIRCHEN.  
PACKAGE FOR TEA AND COFFEE.



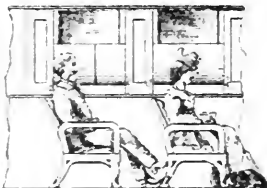
106,953,  
JOHN M. ONELL.  
RAILWAY-CAR SEAT.



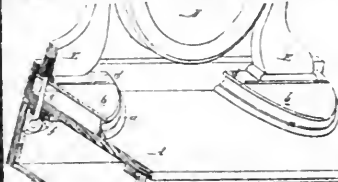
106,954, OTIS S. OSGOOD.  
BED-BOTTOM



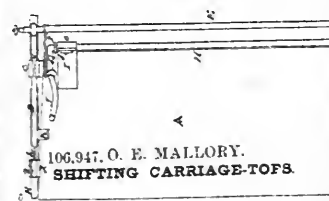
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WILLIAM H. HUNT.  
RAILROAD-CAR  
VENTILATOR.



106,941, CHENEY KILBURN, BUREAU



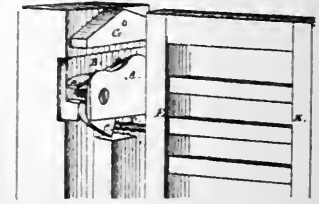
106,947, O. E. MALLORY.  
SHIFTING CARRIAGE-TOPS.



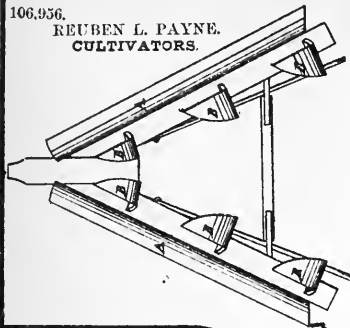
106,948, H. W. MASON.  
HARVESTER-CUTTER.



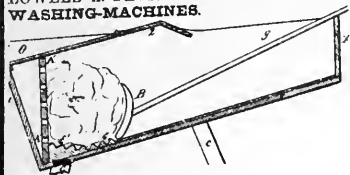
106,955, W. PATTON.  
LATCHES FOR GATES, &c.



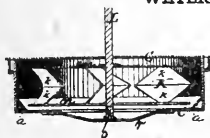
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REUBEN L. PAYNE.  
CULTIVATORS.



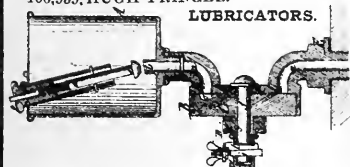
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LOWELL L. PECK.  
WASHING-MACHINES.



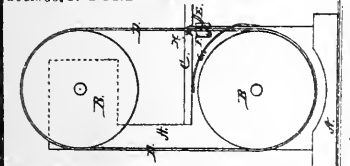
106,958. WILLIAM F. PLACE.  
WATER-WHEELS.



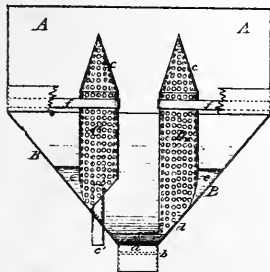
106,959. HUGH PRINGLE.  
LUBRICATORS.



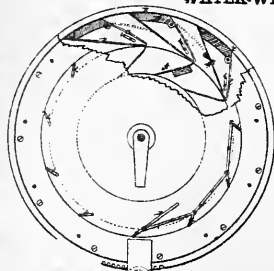
106,960. C. PURDY. SAW-MILLS.



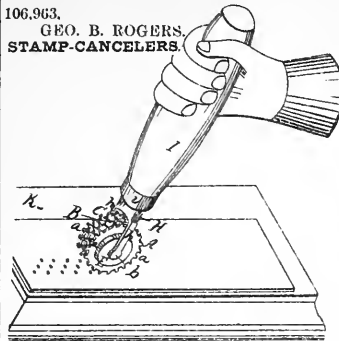
106,961. FITCH RAYMOND. GRAIN-BINS.



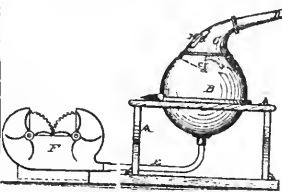
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WATER-WHEELS.



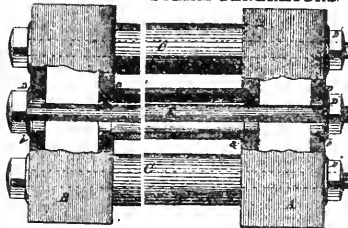
106,963.  
GEO. B. ROGERS.  
STAMP-CANCELERS.



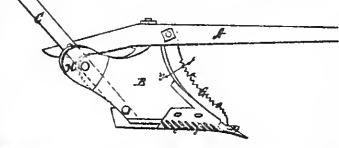
106,964. LOUIS SCHULZE.  
APPARATUS FOR  
PITCHING BARRELS.



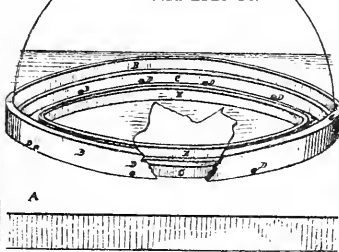
106,965. THOMAS SHARP.  
C. S. S. GRIFFING.  
STEAM-GENERATORS.



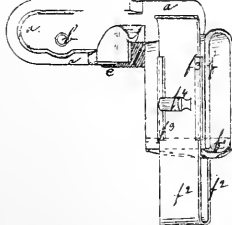
106,966. JUSTIN MALACEN SMITH.  
FLOWS.



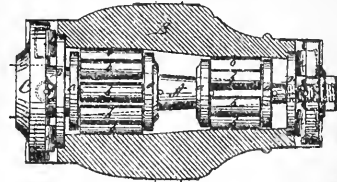
106,967.  
SAMUEL P. SNEAD.  
SKY-LIGHTS.



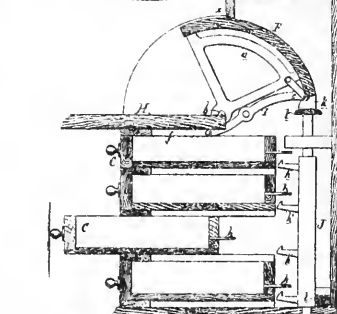
106,968. WILLIAM B. SNYDER.  
APPARATUS FOR HEMMING. &c.  
FOR SEWING-MACHINES



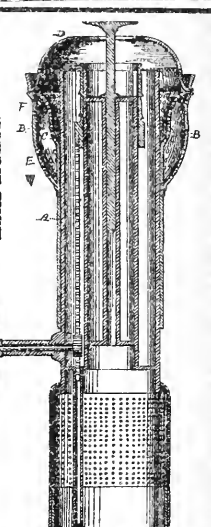
106,969. ALBERT J. STRAIGHT.  
AXLE FOR VEHICLES.



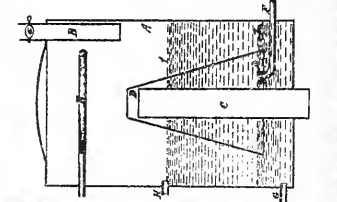
106,970. CHARLES WHARTON TITUS.  
DESK.



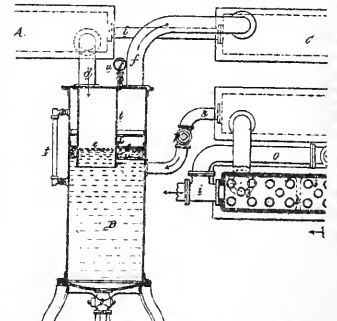
106,971.  
AARON C. VAUGHAN.  
BURNERS FOR LOCOMOTIVE  
HEAD-LIGHTS.

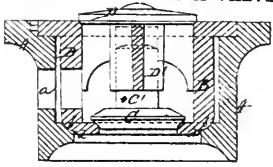
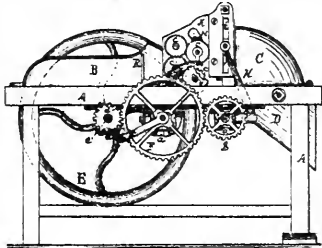
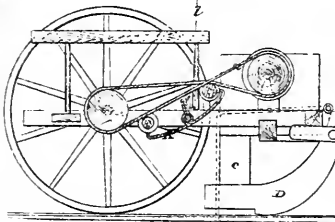
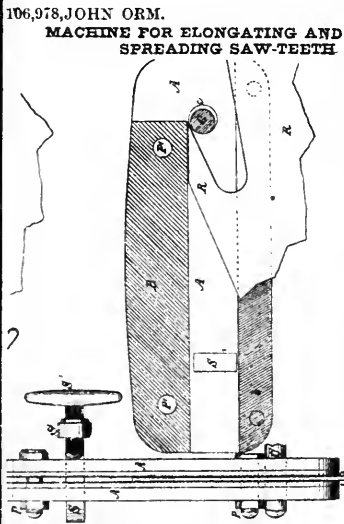
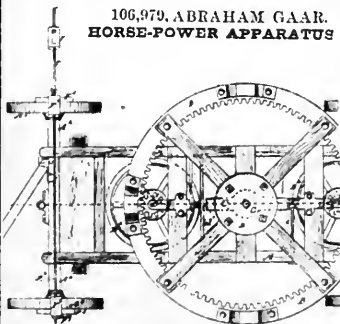
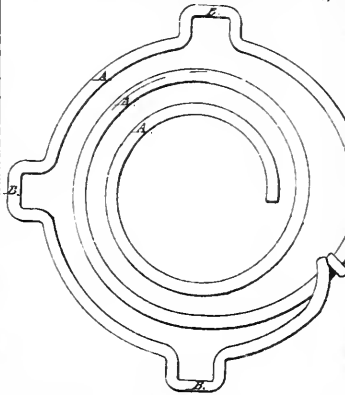
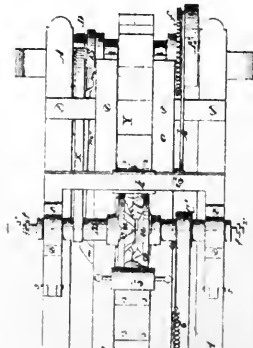
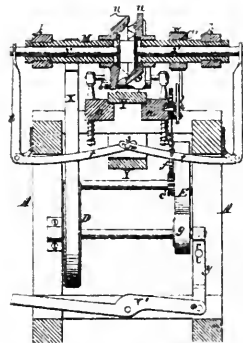
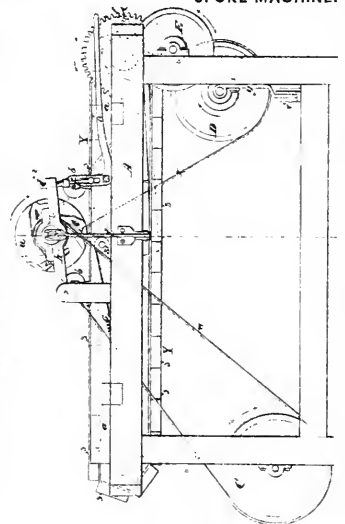
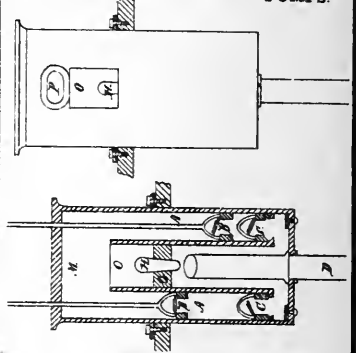


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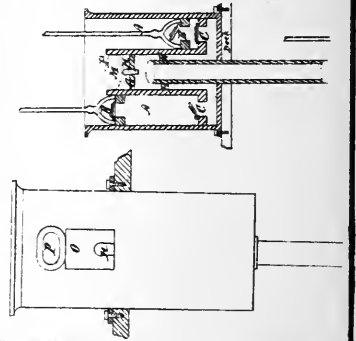


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CONDENSERS.

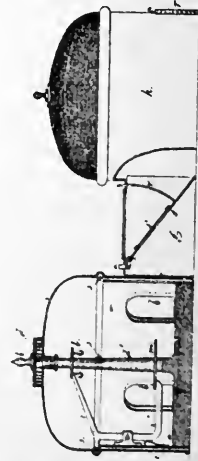


106,974. GEORGE M. WEINMAN.  
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4,111. JOHN BROKENSHERE. PUMPS

4,112. JOHN JACOB LEBEAU.  
PARING-KNIFE.

4,113. JOHN A. LEE. ANIMAL-TRAP.

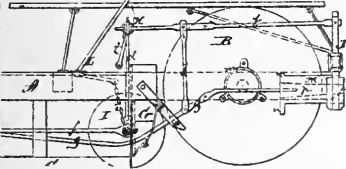
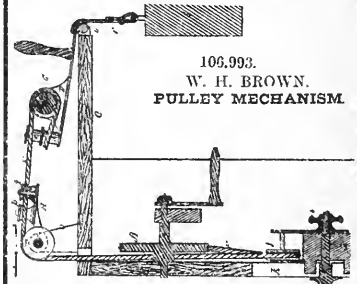
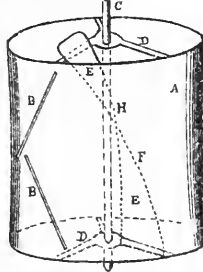
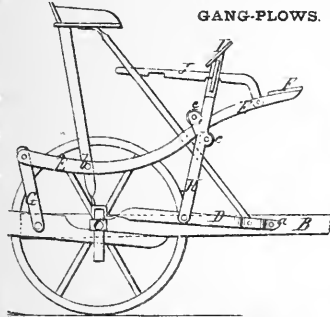
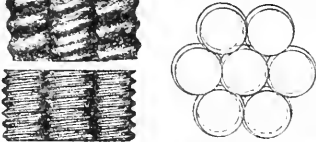
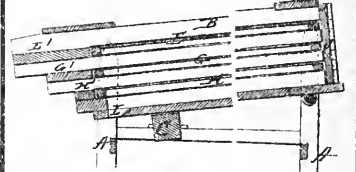


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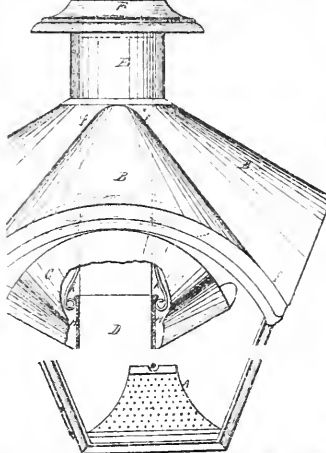
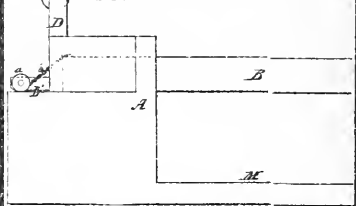
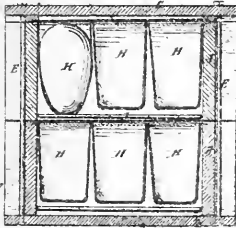
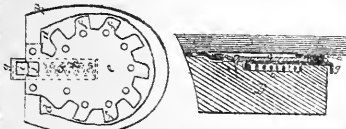
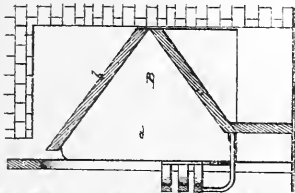
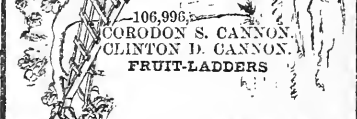
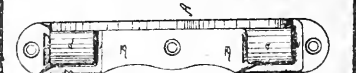
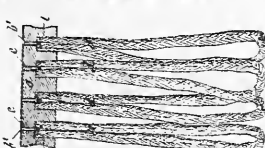
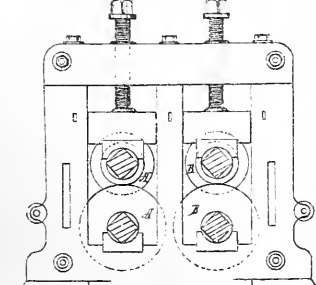
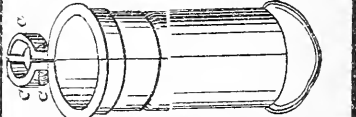
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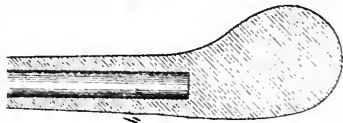
106,981, MICHAEL ACKERMAN.  
CORN-PLANTERS106,988, JOHN B. BELL.  
STAVE-JOINTER106,993.  
W. H. BROWN.  
PULLEY MECHANISM.106,982, JAMES H. ANDREWS.  
GANG-FLOWS.106,989, ALBERT BETTELEY.  
WOOD PAVEMENTS.106,994, JOHN D. BRUNNER.  
E. R. J. UEBERROTH.  
GRAIN-SEPARATORS.

106,990, EMIL BOESCH. STREET-LAMPS.

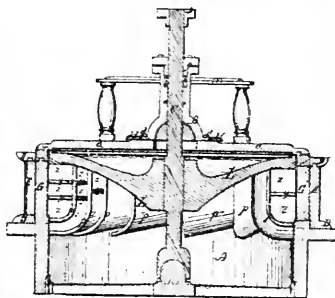
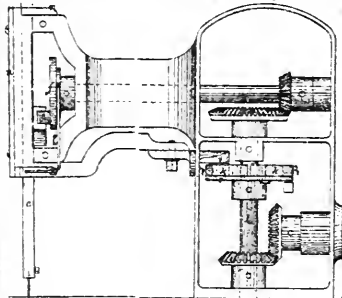
106,995, THOMAS ALFRED BRYAN.  
FLOOD-BRIDGES.106,983.  
JAS. E. ASHER.  
EGG-CARRIERS.106,984, CHARLES W. BAILEY.  
DETACHABLE BOOT AND SHOE-HEEL.106,985, THOMAS W. BAIRD.  
FIRE-PLACE.106,991, JAMES BRITTON.  
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CORODON S. CANNON.  
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FRUIT-LADDERS106,997, WILLIAM H. CARTER.  
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C. L. W.  
MOP.106,992, WILLIAM BROWN.  
DAVID BROWN ROLLING-MILLS.106,998, EDWIN CHAMBERLIN.  
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ADDING-MACHINES.



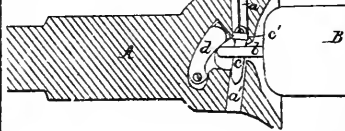
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MODE OF FORMING UMBRELLA  
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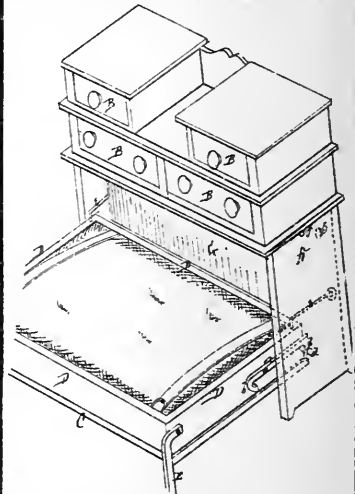
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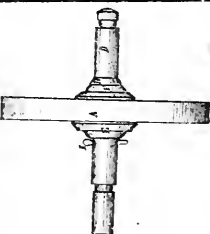
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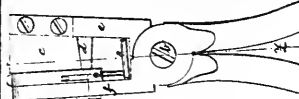
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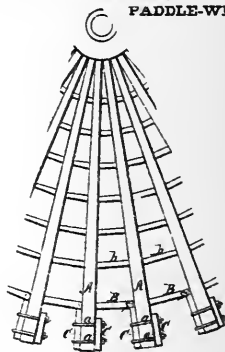
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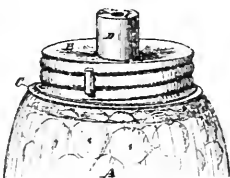
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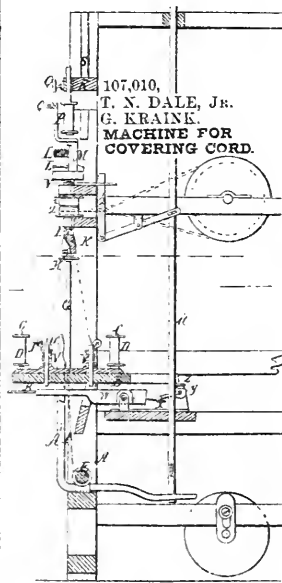
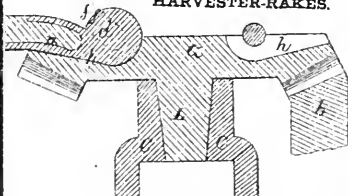
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107,003,  
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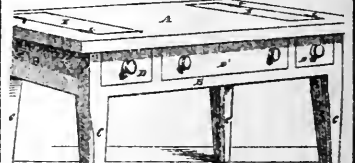


107,004, DANIEL CLOW.  
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107,010,  
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G. KRAINE.  
MACHINE FOR  
COVERING CORD.

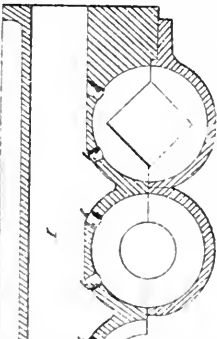
107,015, ELIZA D. DODGE.  
COOKING-TABLE.



FREDRICK EGGE.  
107,016, ROBERT W. CHURCHILL.  
IMPLEMENT FOR CUTTING THREAD.



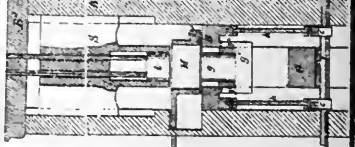
107,005, Z. E. COFFIN.  
DEVICES FOR LUBRICATING,  
COOLING, AND WASHING  
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107,011, CORNELIUS E. DAVIS.  
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107,017, JOSIAH S. ELLIOTT.  
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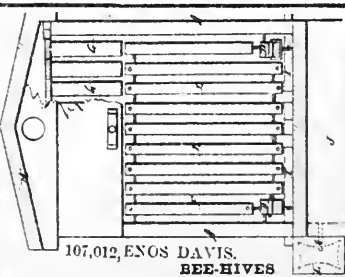


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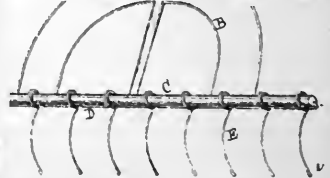


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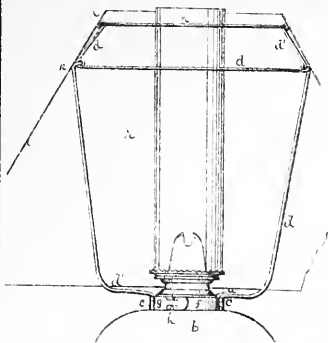
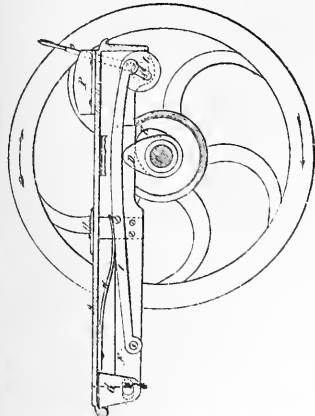
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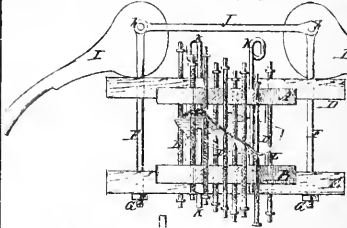


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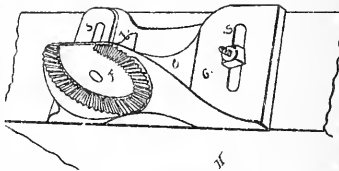


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COMPOUNDS FOR DESTROYING THE  
OIDIUM IN VINES, PLANTS, &c.

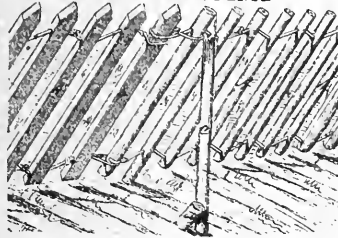
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MOLD-BOARDS.



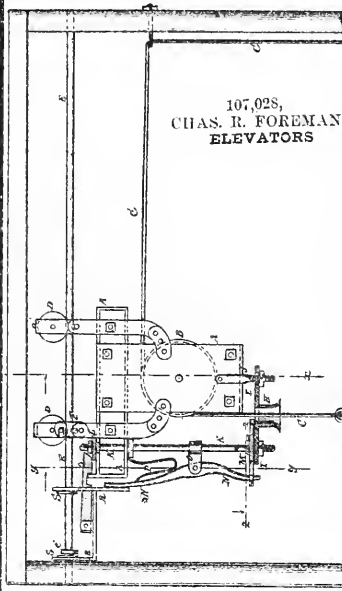
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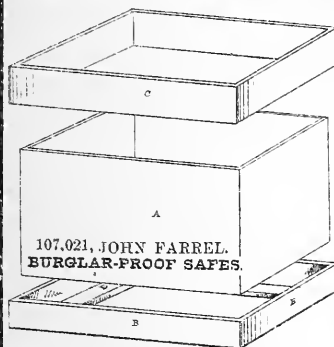
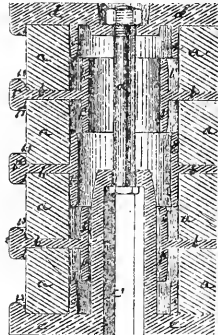
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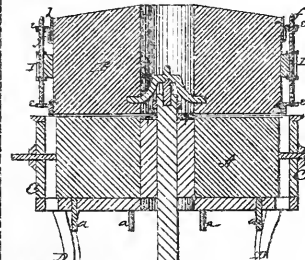


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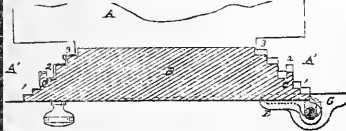
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BURGLAR-PROOF SAFES.

107,029, C. V. FOREMAN.  
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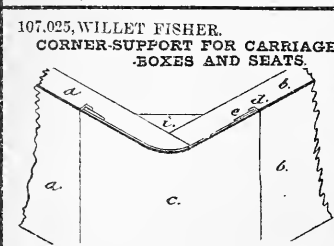


107,022 JOHN FARREL.  
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107,023, JOHN FARREL.  
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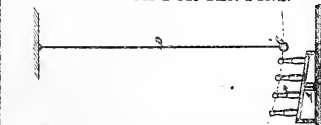


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OF FEVER AND AGUE

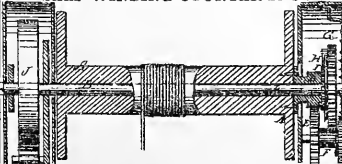


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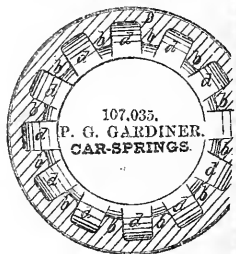
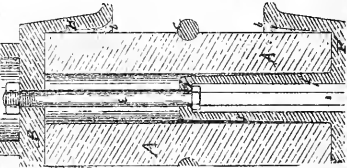
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GAME-BOX FOR TEN-PINS.



107,031, WILLIAM J. FOX.  
SELF-WINDING COUNTER-SPOOL.

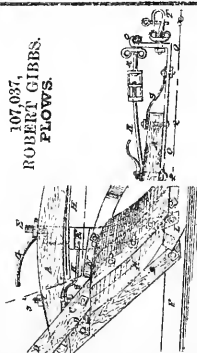


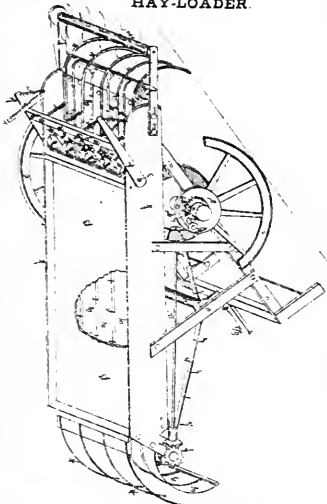
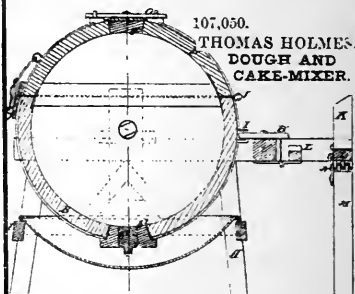
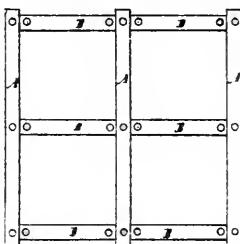
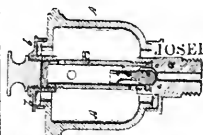
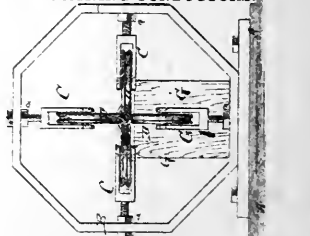
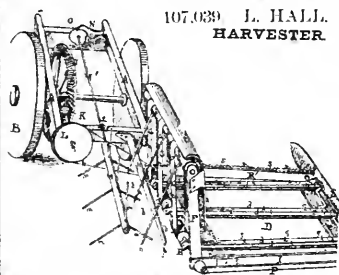
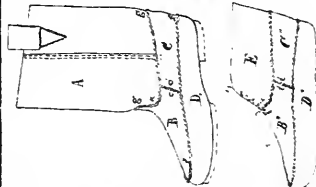
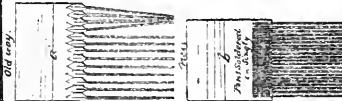
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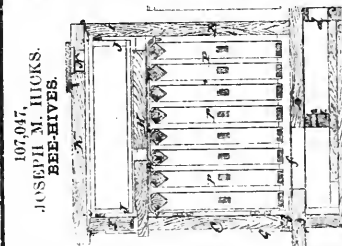
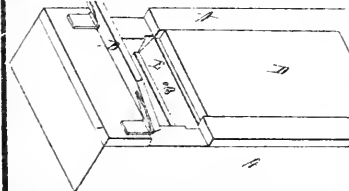
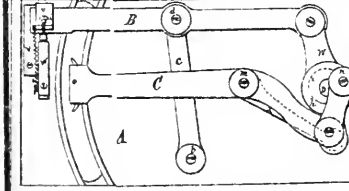
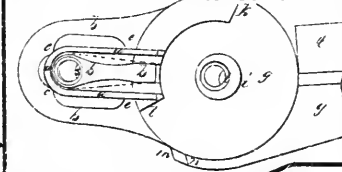
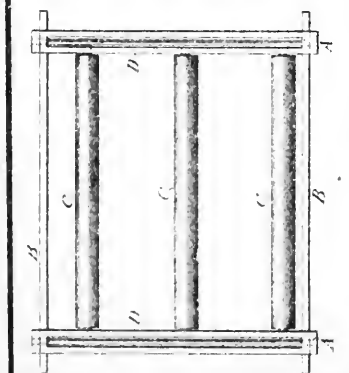
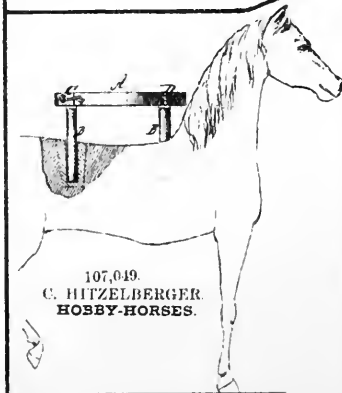
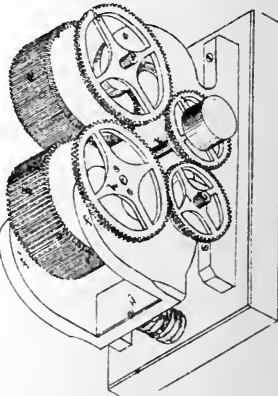
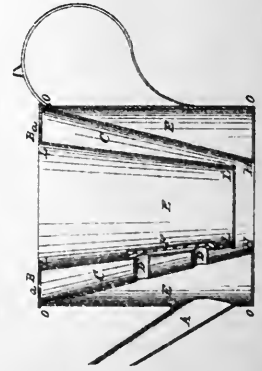
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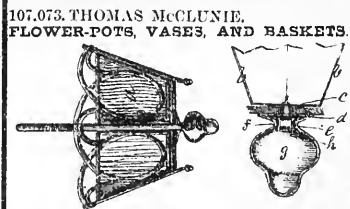
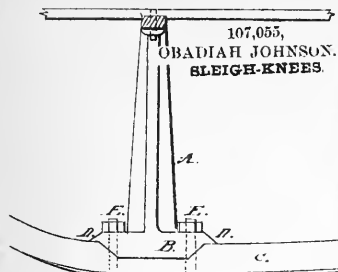
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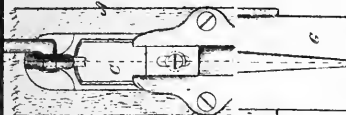
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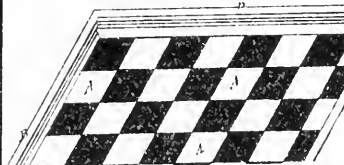
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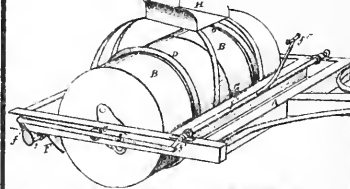
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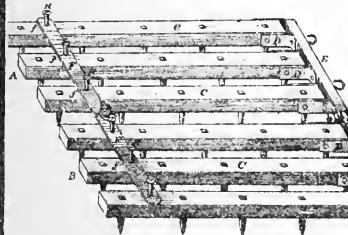
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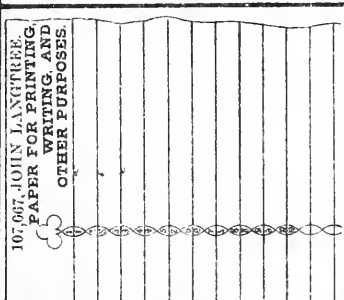
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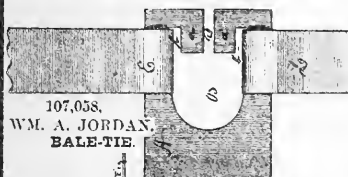
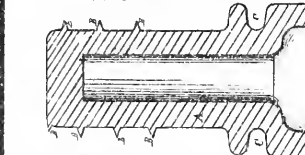
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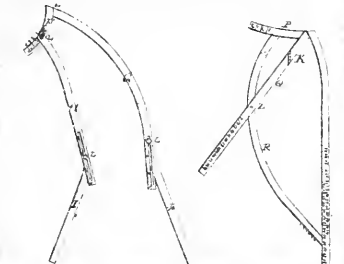
107,066, GEO. LA MONTAGUE. PECTORAL SIRUP OR MEDICINE.



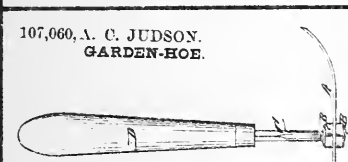
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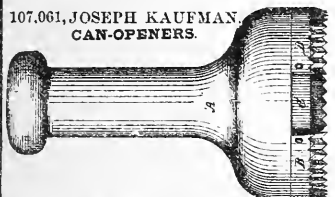
107,068, URSULA L. LEETE. INSTRUMENT FOR DRAUGHTING GARMENTS.



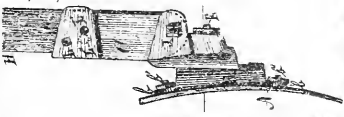
107,059, WILLIAM N. JORDAN. PAINT COMPOUNDS.



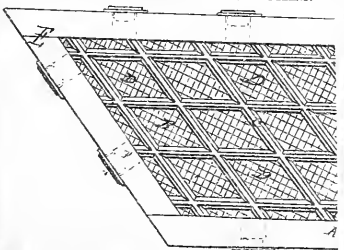
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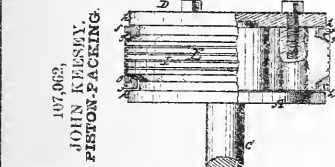
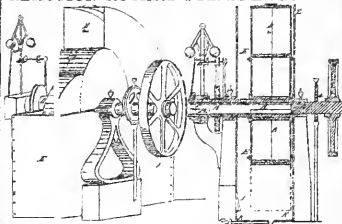
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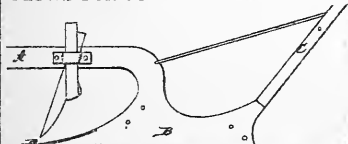
107,070, G. A. LLOYD. FRUIT-CARRYING BOXES.



107,078, FRANCIS E. MILLS. REACTION ROTARY STEAM-ENGINE.



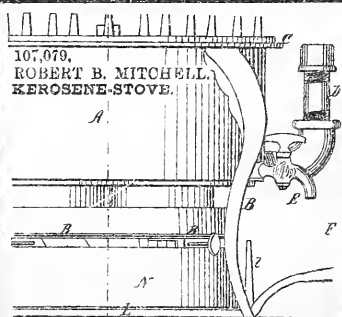
107,063, HORACE M. KEITH. FLOWS FOR CUTTING POTATO-ROOTS.

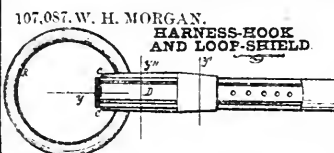
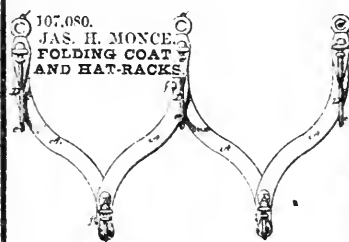


107,071, OSCAR LOEW. PROCESS OF OBTAINING OZONE OR OZONIZED AIR.

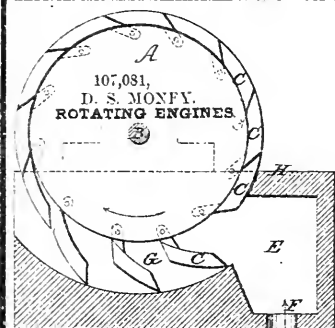
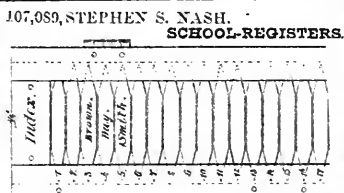


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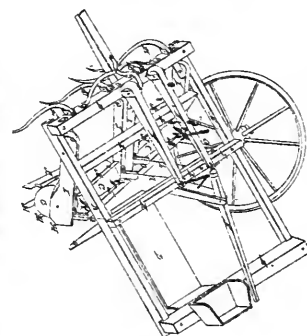




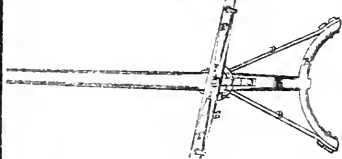
107,088. J. A. MOURIES.  
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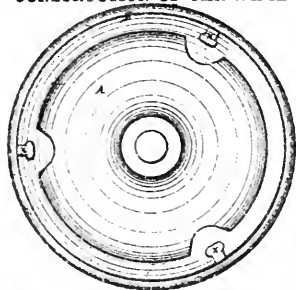
107,090. A. J. NEBERGALL.  
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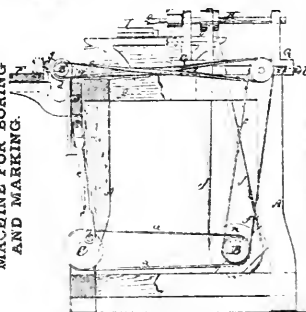
107,082. CHARLES A. MOORE.  
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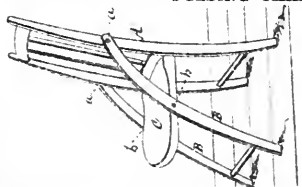
107,083. J. K. MORANGE.  
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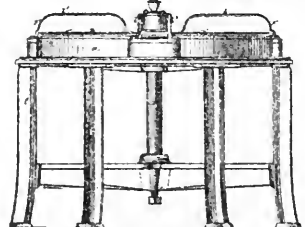
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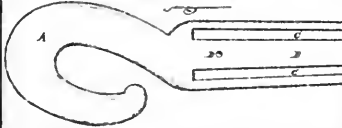
107,084. EZEKIEL P. MORE.  
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107,092. CARL NORDELL.  
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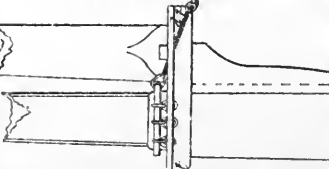
107,085. W. H. MORGAN. TRACE-HOOK.



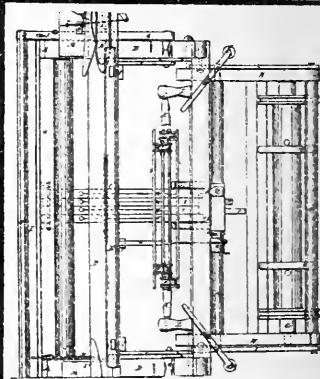
107,086. W. H. MORGAN.  
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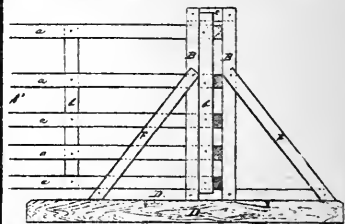
107,093. JAMES NUTE.  
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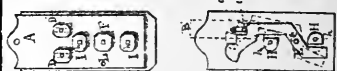
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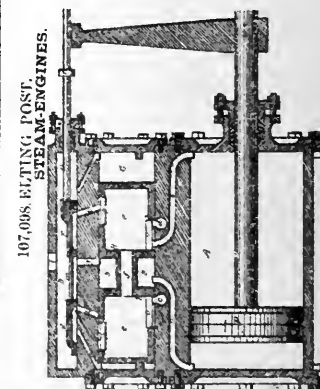
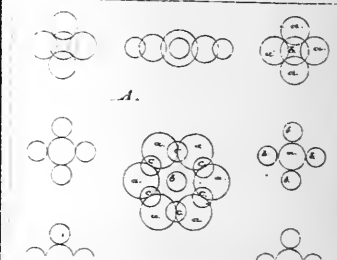
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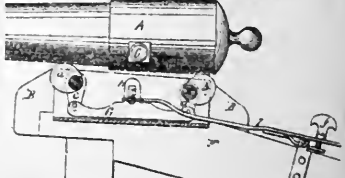
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107,097. T. W. PORTER.  
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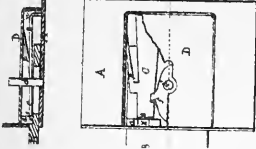


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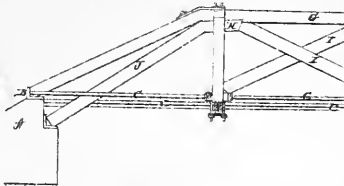
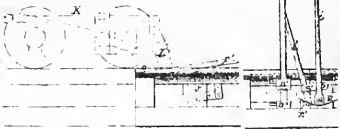
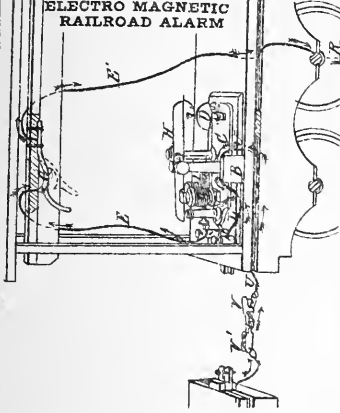
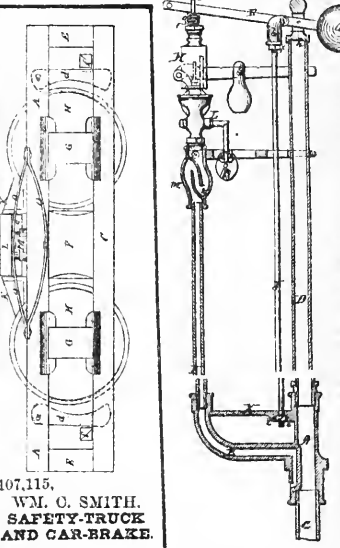
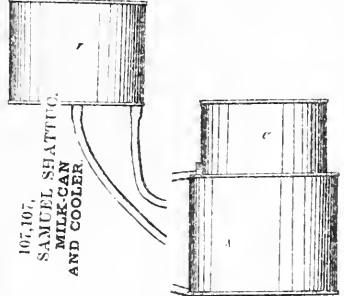
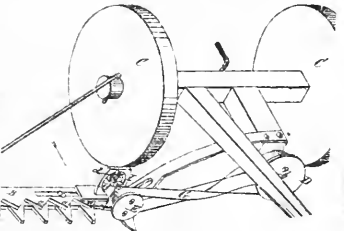
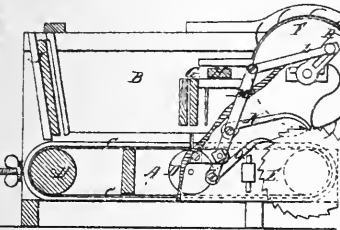
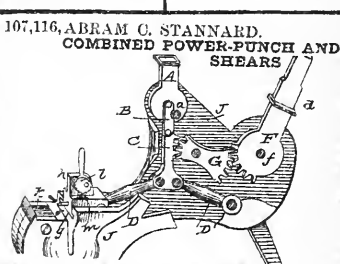




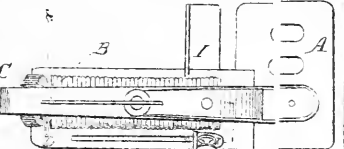
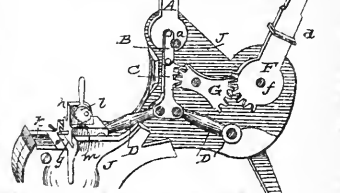
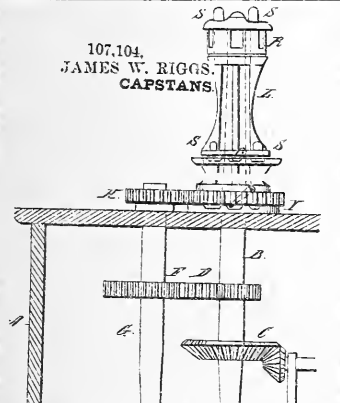
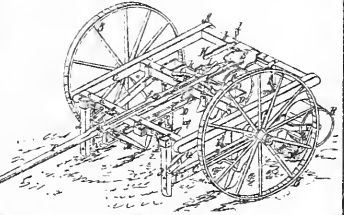
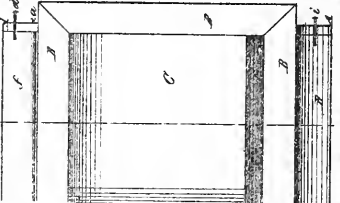
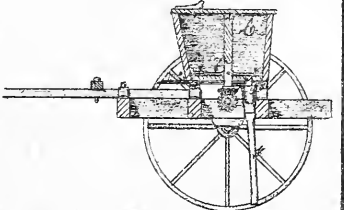
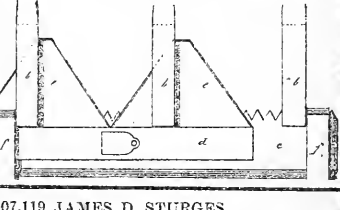
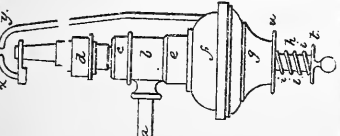
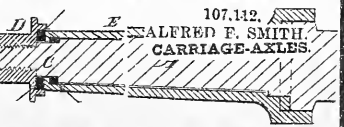
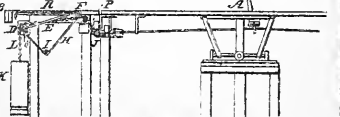
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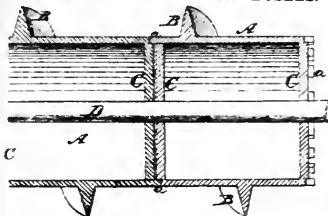
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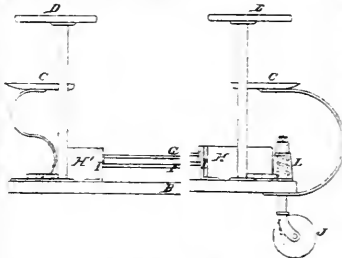
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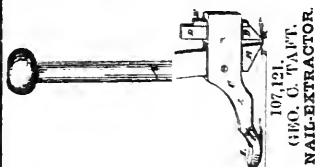
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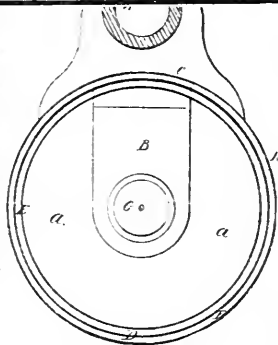


107,133.  
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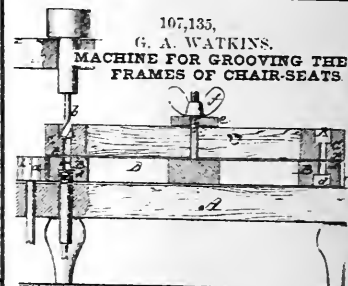
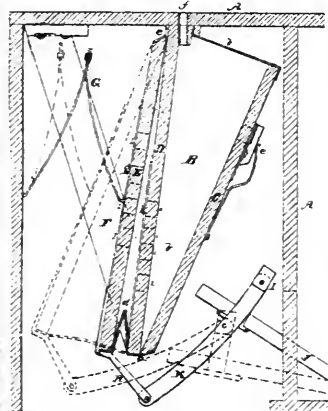
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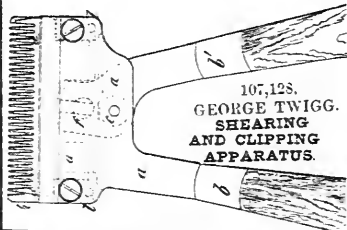


107,134.  
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107,122, SIMEON TAYLOR.  
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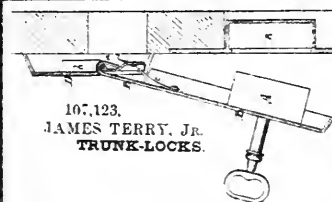
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107,128.  
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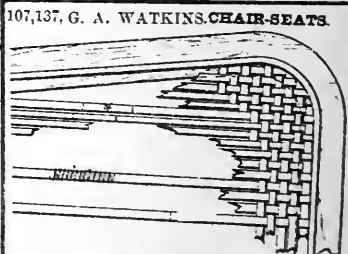
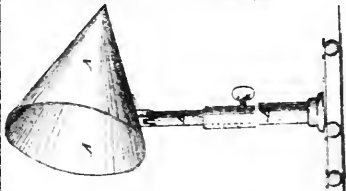


107,136.  
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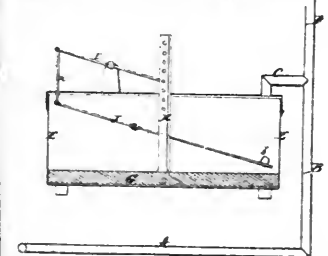
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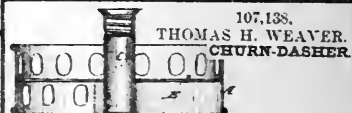
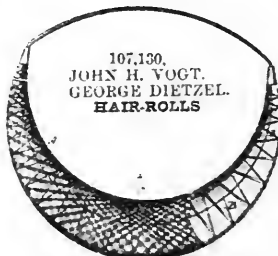


107,137, G. A. WATKINS. CHAIR-SEATS.

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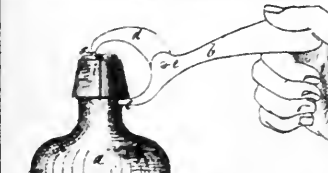


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107,138.  
THOMAS H. WEAVER.  
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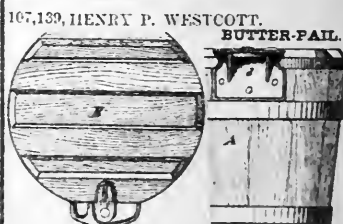
107,125, JUSTUS A. TRAUT.  
DEVICE FOR CUTTING WIRE OR CORD  
FROM BOTTLE-STOPPERS.



107,131, JAMES H. WAITE.  
BEDSTEAD-FASTENING.

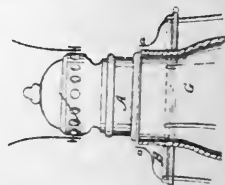


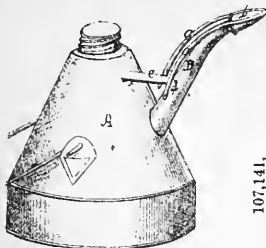
107,132, MARTIN F. WALTER.  
CH. STAUDINGER  
HEEL-CALKS



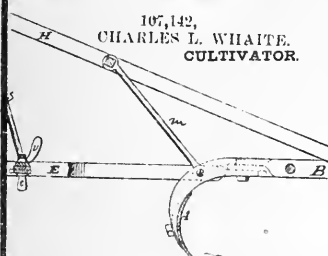
107,139, HENRY P. WESTCOTT.  
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107,140,  
WILLIAM WESTLAKE.  
LANTERNS.





107.141,  
WILLIAM WESTLAKE.  
OIL-CANS.

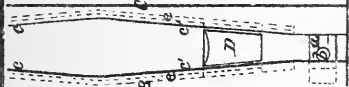


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CHARLES L. WHAITE.  
CULTIVATOR.

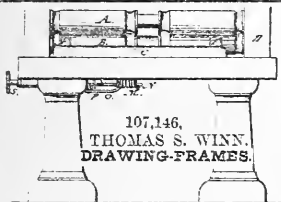
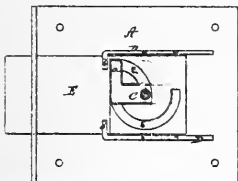
107.143, L. H. WHITNEY. SCREW FOR  
SOLES AND HEELS OF SHOES.



107.144,  
FREDERICK M. WILDMAN.  
GALEYS.

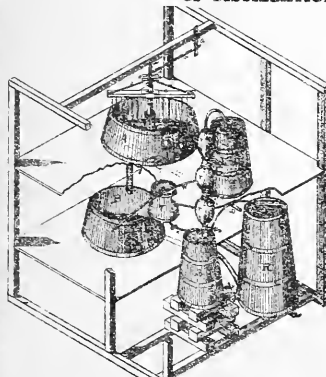


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HORATIO WILLARD.  
PETER TRUNZ.  
LOCKS.

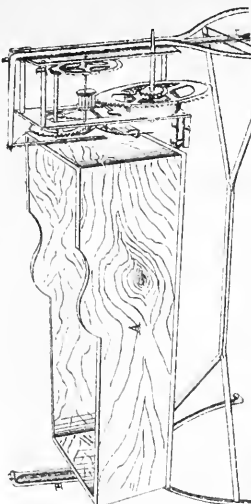


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THOMAS S. WINN.  
DRAWING-FRAMES.

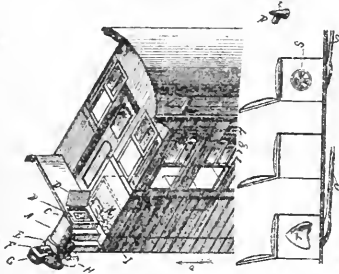
107.147, G. S. WILLIAMSON.  
APPARATUS FOR AND PROCESS  
OF DISTILLATION



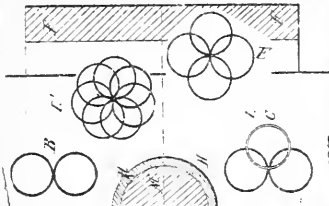
107.148,  
DARIUS ALGER.  
AUTOMATIC CRADLE.



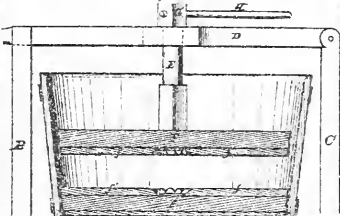
107.149, J. G. ALLEN.  
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107.150, JAMES S. BALDWIN.  
METHOD OF INLAYING WOOD, &c.



107.151, CHARLES S. BANKER.  
ALEXANDER PURDY.  
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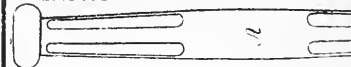
107.152, ALBERT BETTELEY.  
WOOD-PAVEMENT.



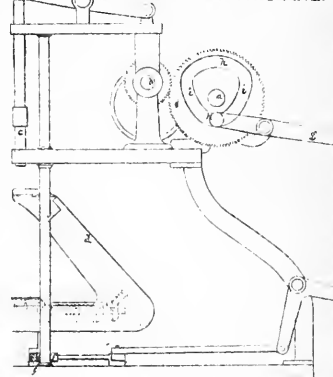
107.153,  
DANIEL M. BISSELL.  
JEWELERS' TOOLS.



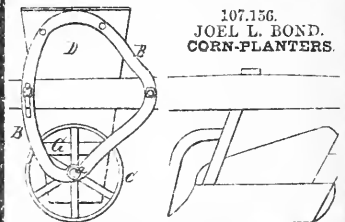
107.154, B. B. BLACKWELL.  
SHOOTING-STICKS FOR PRINTERS



107.155, L. R. BLAKE.  
SOLE SEWING MACHINE.



107.156,  
JOEL L. BOND.  
CORN-PLANTERS.

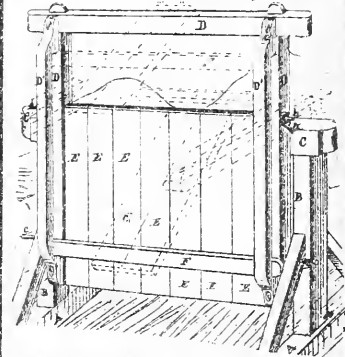


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SASH-HOLDERS.

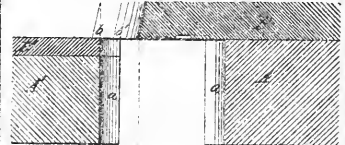


107.158, GUST. BOURGADE.  
THE MANUFACTURE OF ALBUMEN.

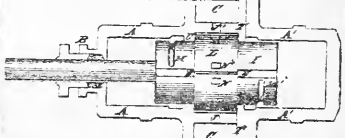
107.159, THOMAS H. BREED.  
FLOOD-GATES.

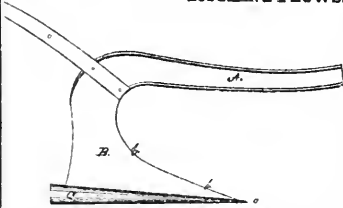
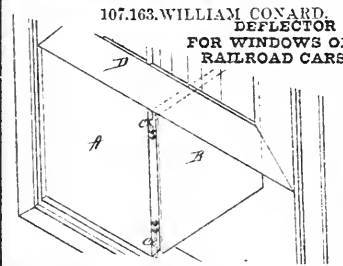


107.160, FRED. BEUSO.  
DIES FOR HEADING BOLTS.

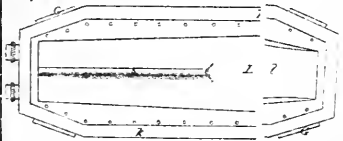
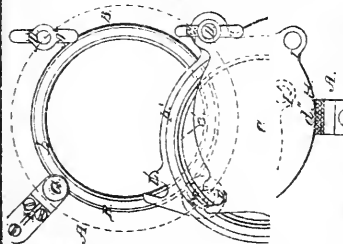


107.161, DAVID B. CALDWELL.  
STEAM-ENGINES.

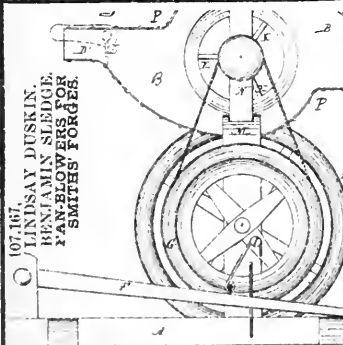
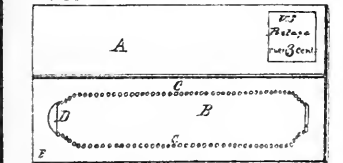
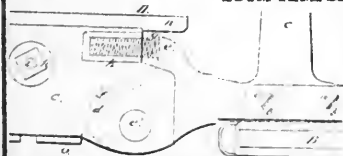
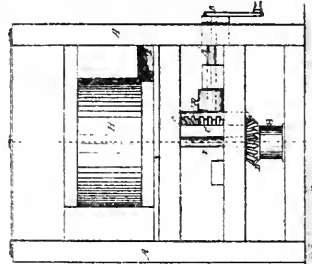
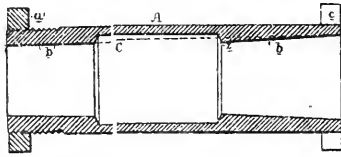
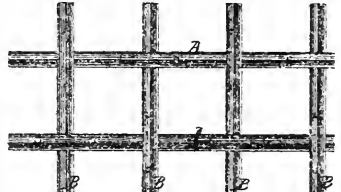
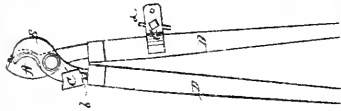
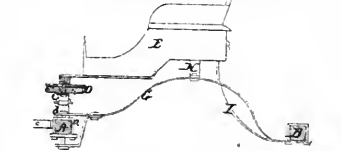
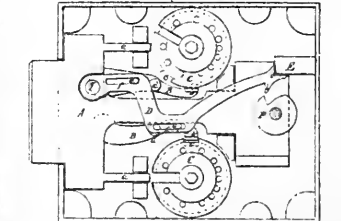
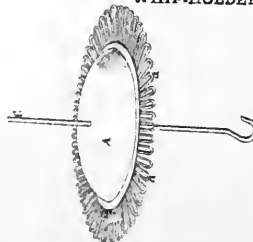
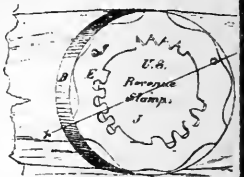
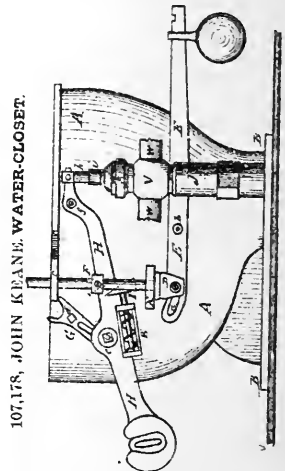


107,162, GEORGE CHAMBERLIN.  
DITCHING-PLOWS.107,163, WILLIAM CONARD.  
DEFLECTOR  
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RAILROAD CARS.

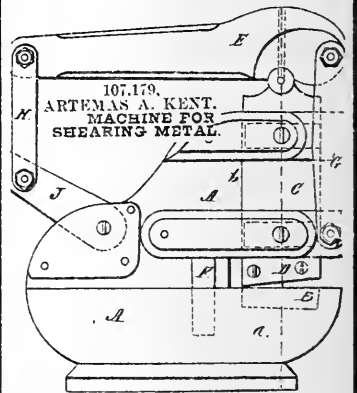
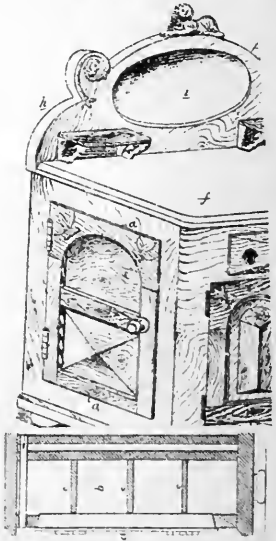
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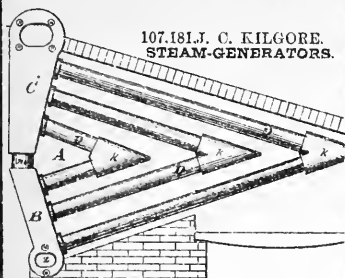
107,165, WM. DARLEY.  
SIDE LIGHTS FOR VESSELS.

107,166, BIRAM C. DAVIS ENVELOPES.

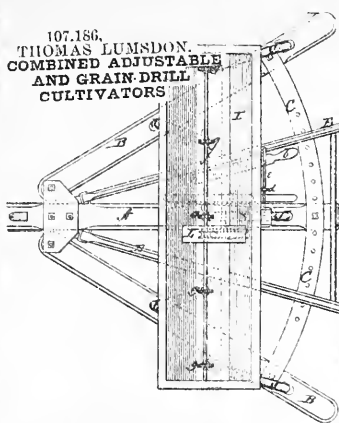
107,167, LINDSAY DUSKIN.  
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FOR SMITHS FORGES.107,168, WARREN W. DUTCHER.  
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107,178, JOHN KEANE. WATER-CLOSER.

107,179, ARTEMAS A. KENT.  
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SHEARING METAL.107,180, WILLIAM HIGH KERN.  
THOMAS M. DAVIS.  
REFRIGERATOR AND SIDEBORD.

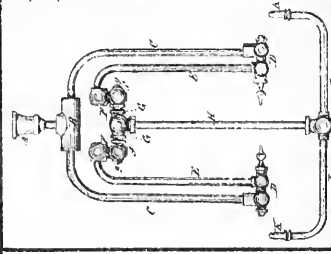


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STEAM-GENERATORS.

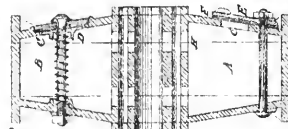


107,186.  
THOMAS LUMSDON.  
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AND GRAIN-DRILL  
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107,191, DAVID MILNE. GAS-FIXTURES.

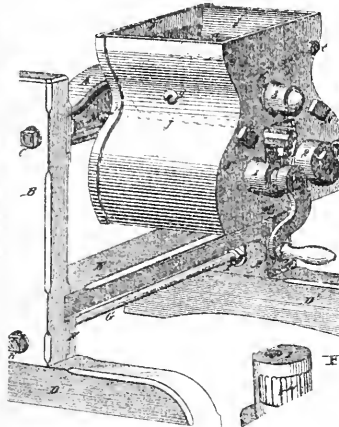


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LUBRICATORS.

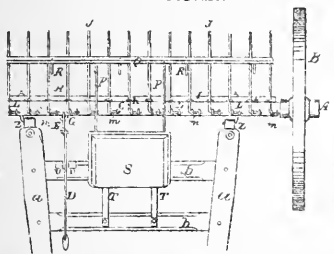


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GEO. W. KING.  
BALANCES.

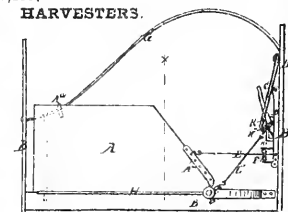
107,187, SAMUEL MALES.  
IMPROVEMENT IN CIDER-MILLS.



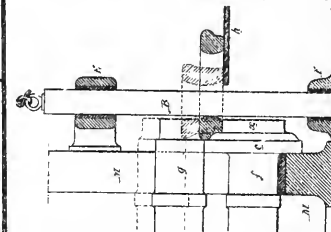
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HORSE HAY-RAKES.



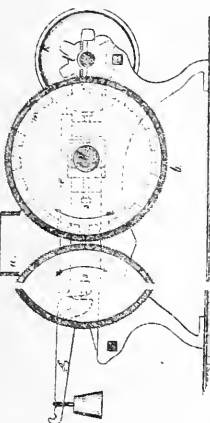
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HARVESTERS.



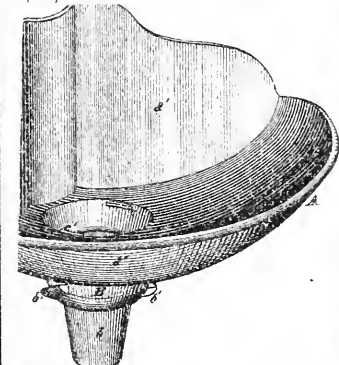
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MACHINES FOR ROLLING TIRES.



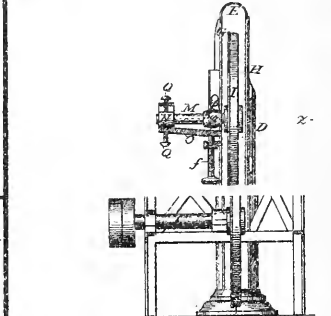
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EDWIN LISTER.  
MILLS FOR GRINDING BONES.



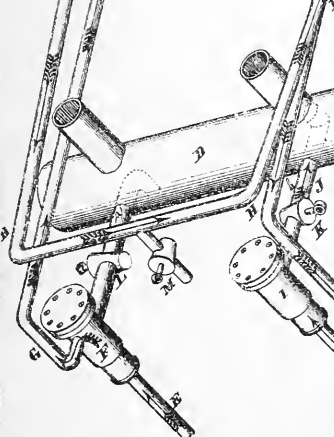
107,188, SAMUEL MALES. URINALS.



107,195, JOHN T. PLASS.  
SAWING-MACHINE.



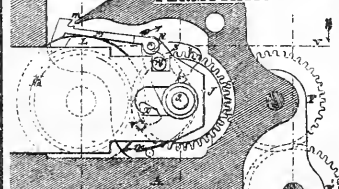
107,185, DANIEL LORDON.  
FEED-WATER HEATER  
FOR STEAM-BOILERS.



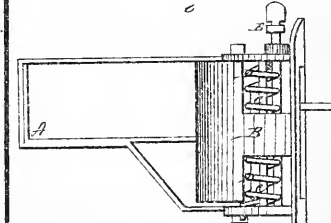
107,189, JULES MATHIEU.  
CASE FOR BOTTLES AND GLASSES.



107,190, L. H. MILLER.  
PERMUTATION-LOCKS.

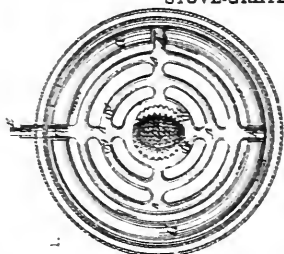


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CAR-COUPLING.

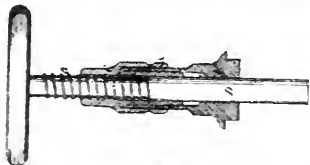




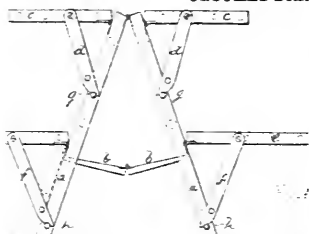
107.197. WILLIAM QUAY.  
EZRA M. HINSDALE.  
STOVE-GRATE.



107.198. EZRA RANSOM.  
PACKED ROTATING VALVE-STEM



107.199. GEORGE W. RICHARDSON.  
CLOTHES-DRIER.



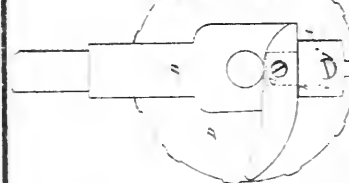
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PAINT-ERUSH



107.201. H. JULIUS SMITH.  
TORPEDOES FOR OIL-WELLS.



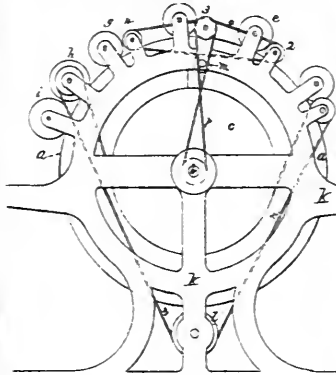
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NUMBERING-MACHINES.



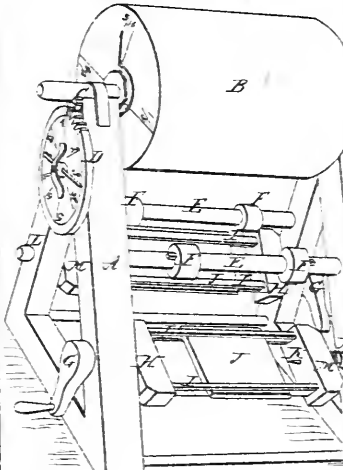
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FEED-ATTACHMENT  
FOR THRASHING  
MACHINES.



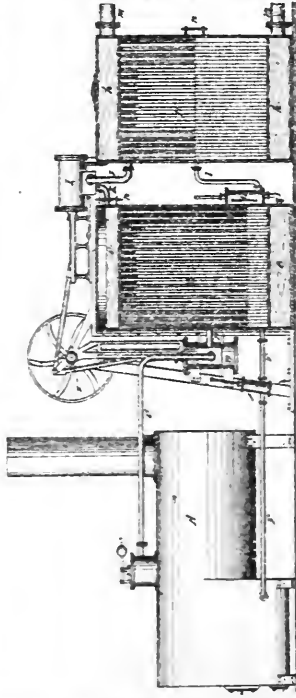
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CARDING-MACHINES.



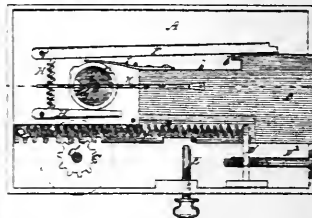
107.205. THOMAS WEEDEN.  
THOMAS TRIBE.  
CLOTH-MEASURING MACHINE.



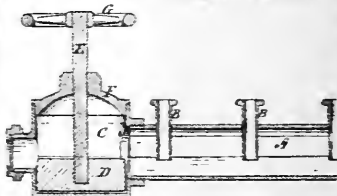
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STEAM AND VAPOR-ENGINES



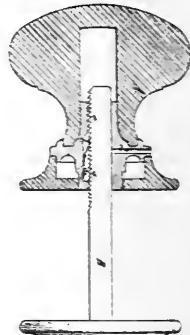
107.207. SAMUEL C. WEDDINGTON.  
COMBINED LOCK AND LATCH



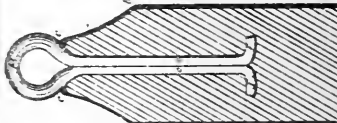
107.208. HENRY G. LUDLOW.  
APPARATUS FOR THE MANUFACTURE  
OF ILLUMINATING-GAS.



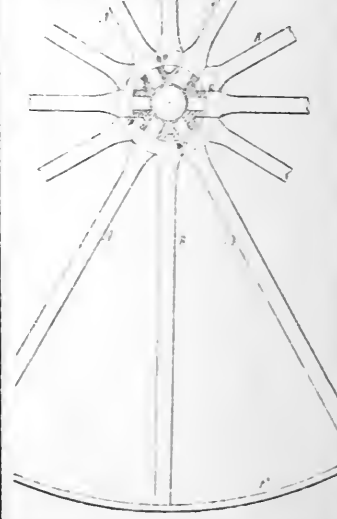
4.114. MATTW. ANDREW.  
ATTACHING KNOBS TO SPINDLES.



4.115. DANIEL B. LACY.  
THOMAS T. LACY.  
ISAAC A. LACY.  
T. T. LACY.  
WEIGHTS FOR SASHES, CLOCKS, &c.



4.116. J. D. SARVEN  
CARRIAGE WHEEL.



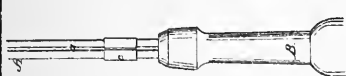
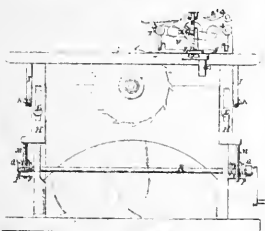
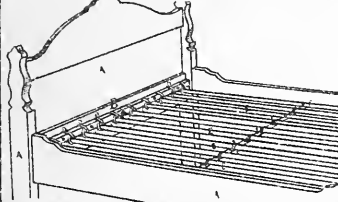
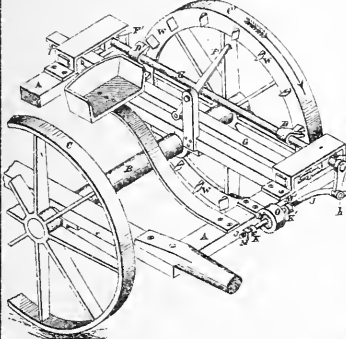
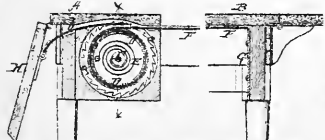
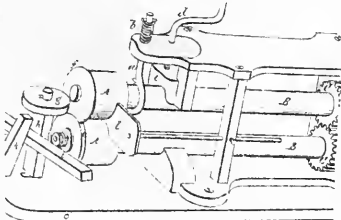
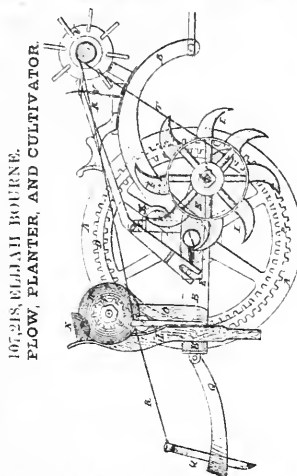
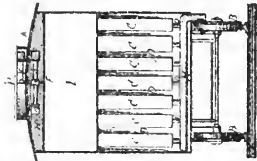
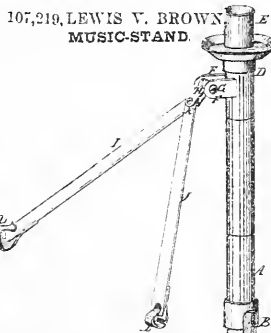
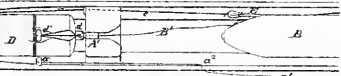
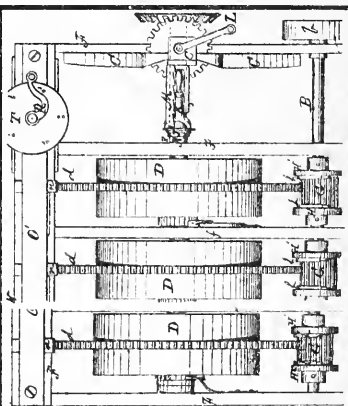
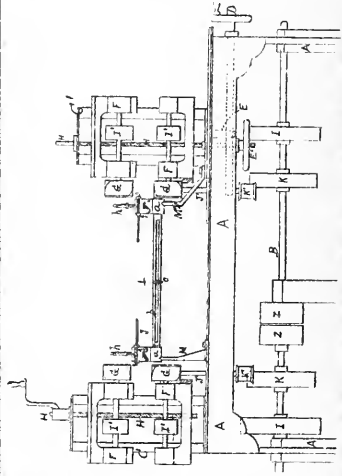
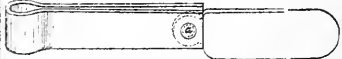
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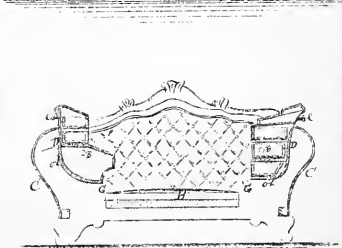
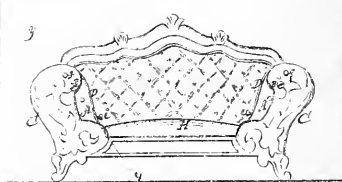
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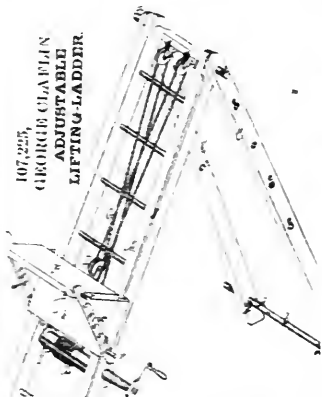
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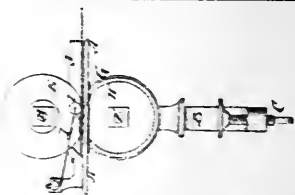
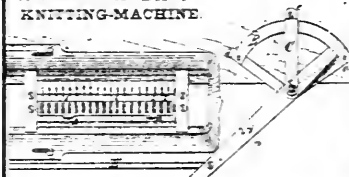
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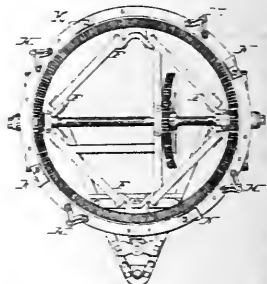
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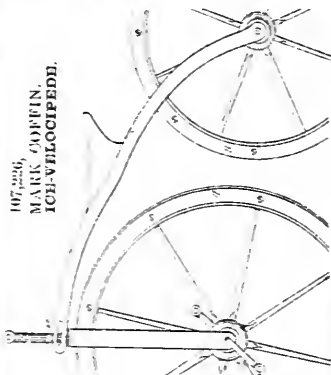
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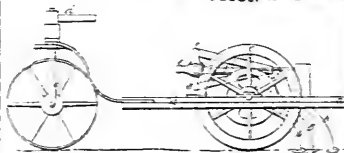


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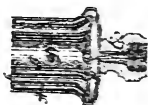


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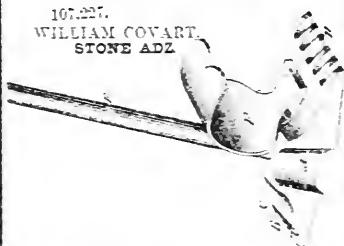
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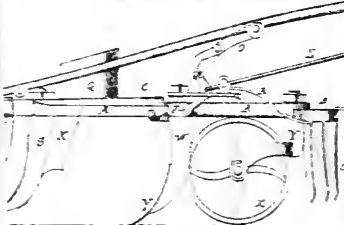
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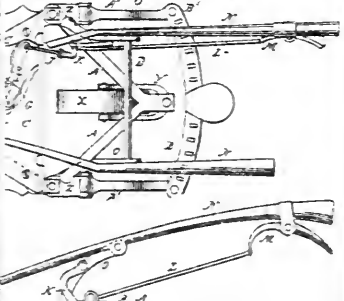
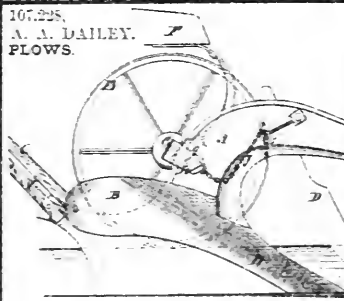
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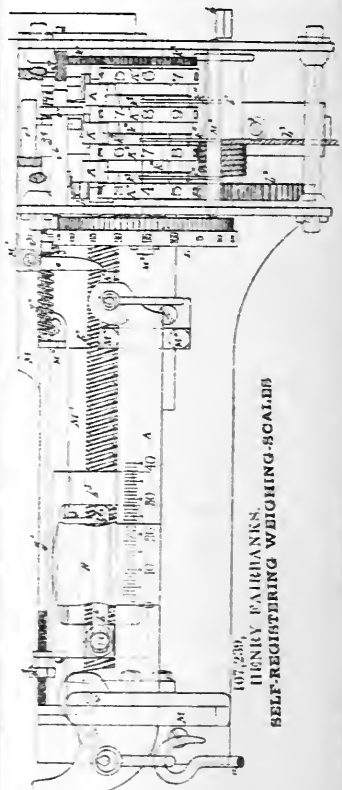
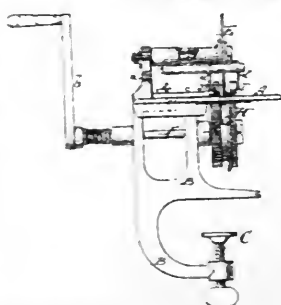
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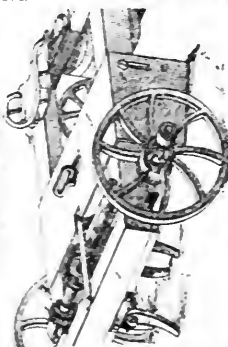


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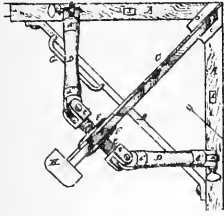
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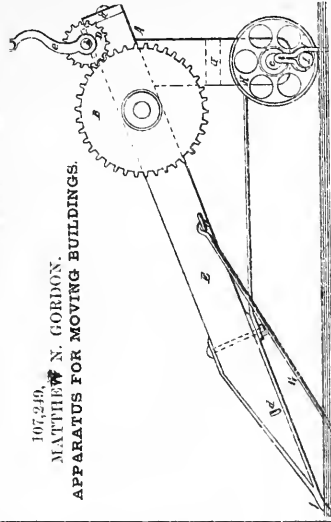
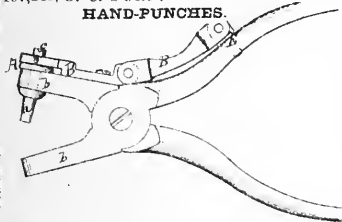
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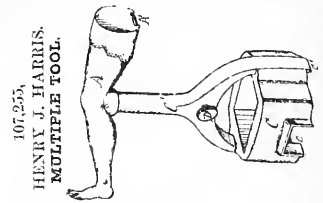
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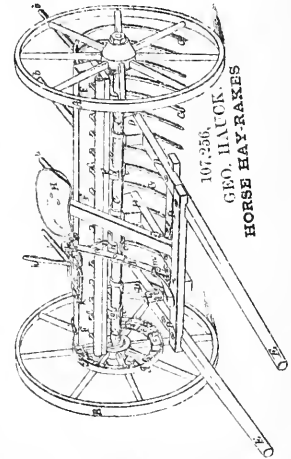
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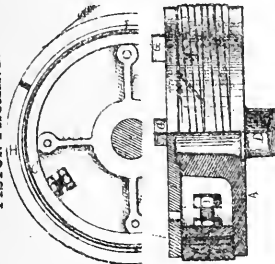


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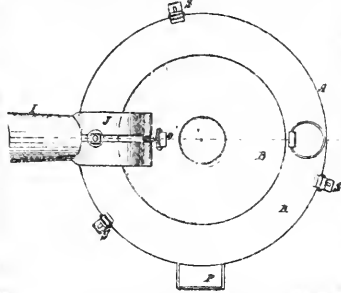


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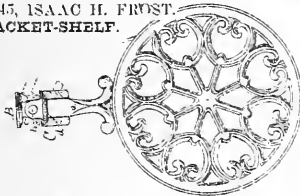


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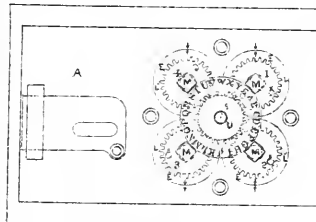


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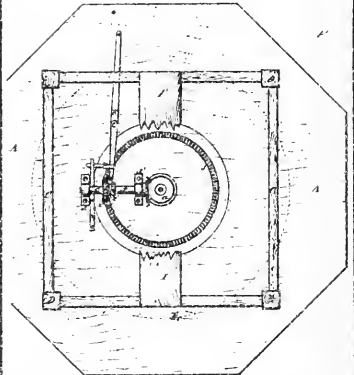
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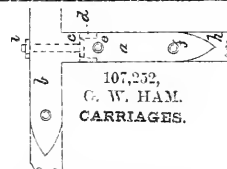
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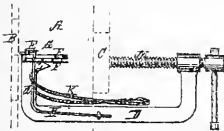


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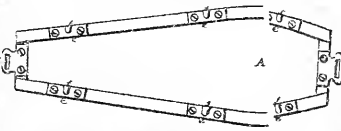


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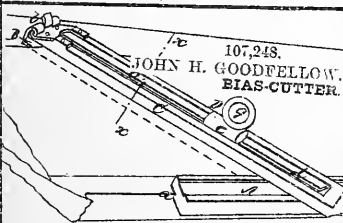
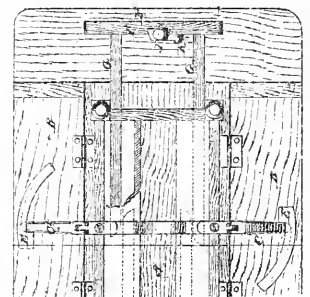
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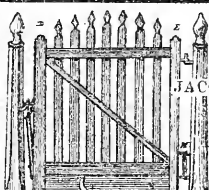
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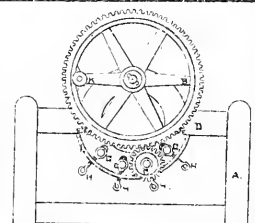


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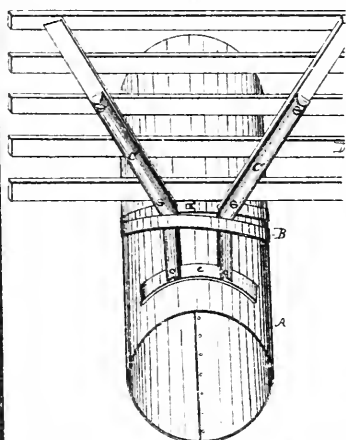


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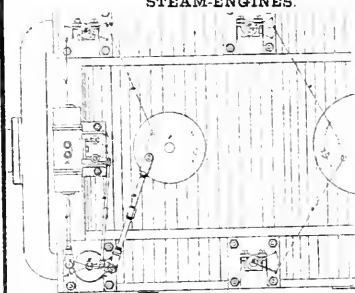
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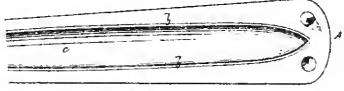
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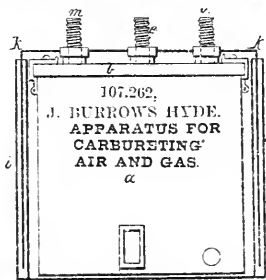
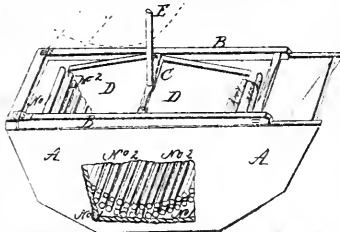
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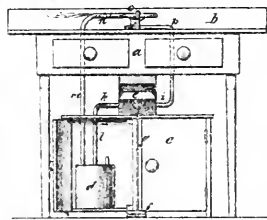


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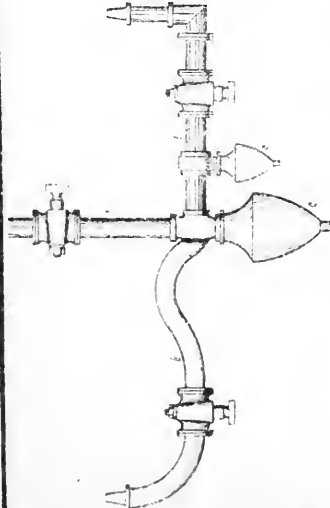


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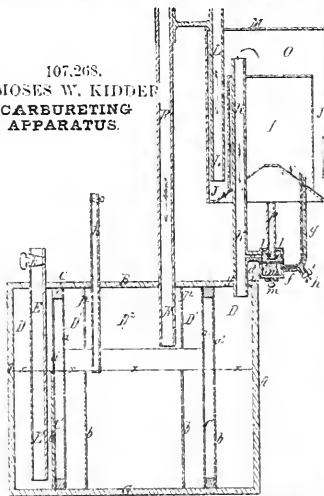
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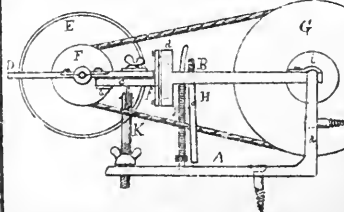
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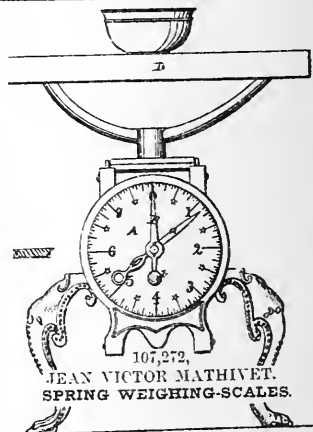
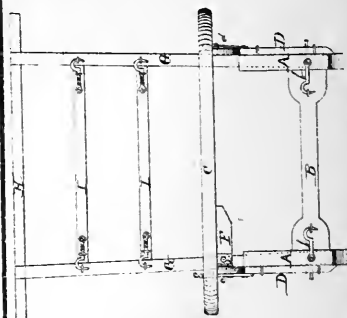
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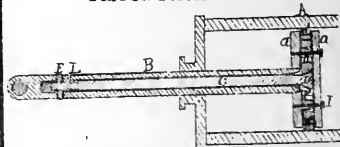
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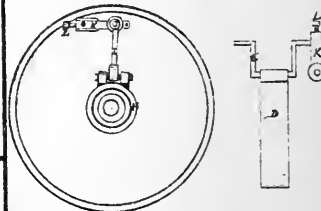
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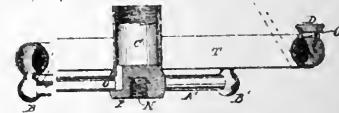
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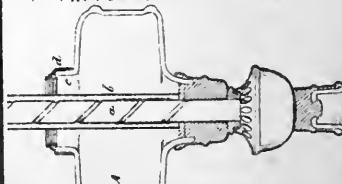
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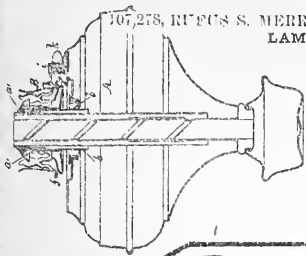
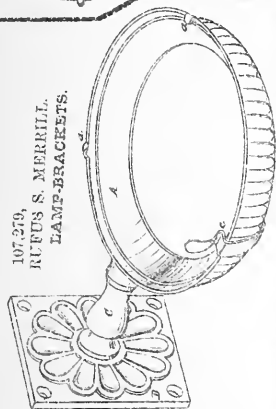
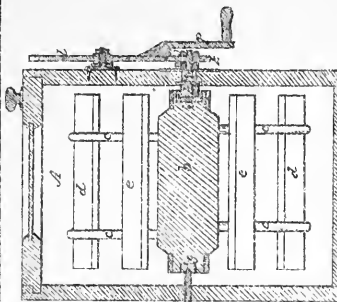
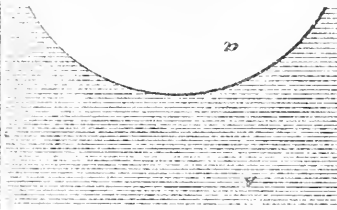
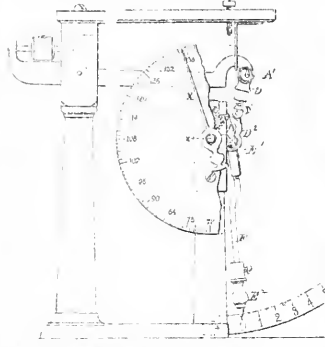
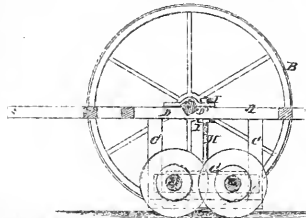
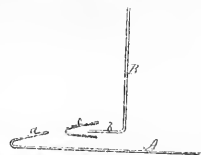
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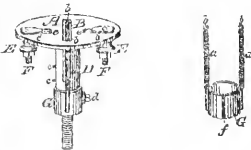
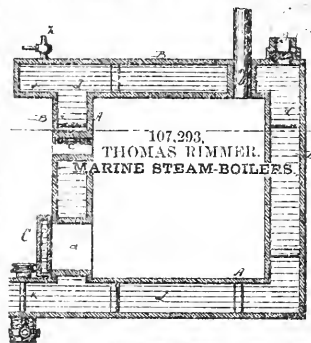
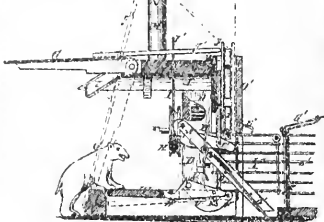
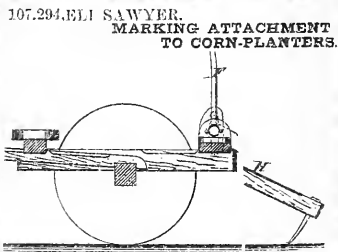
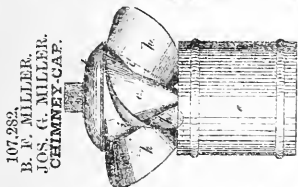
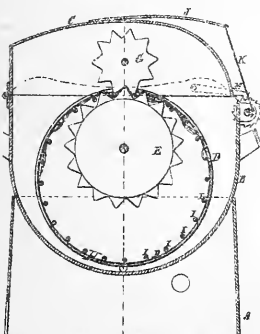
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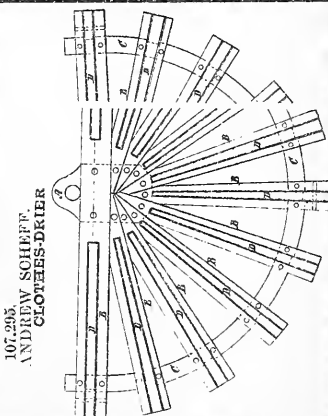


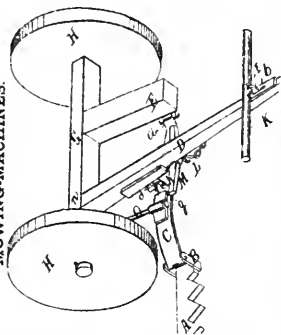
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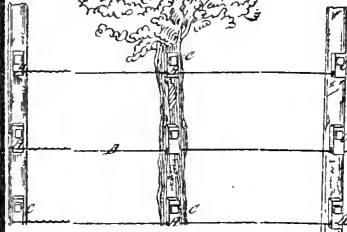
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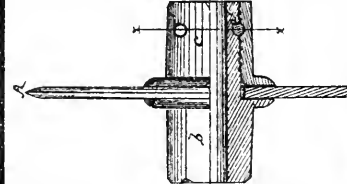
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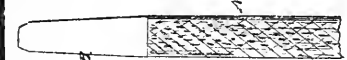
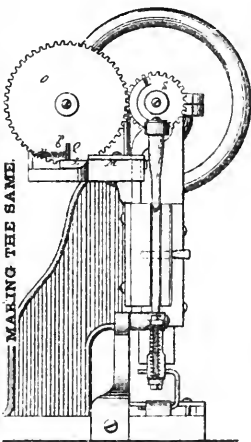
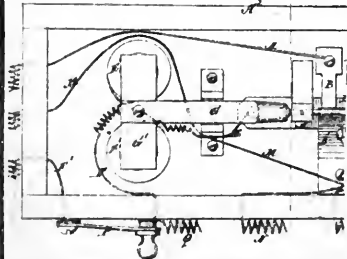
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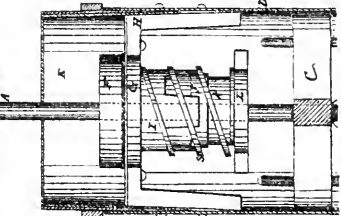
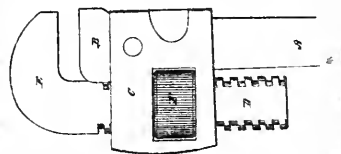
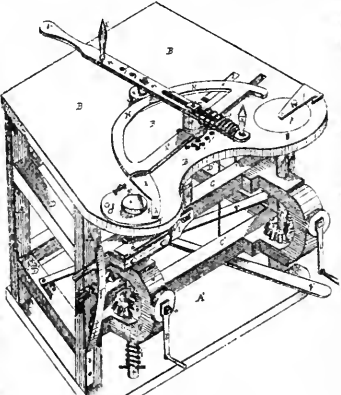
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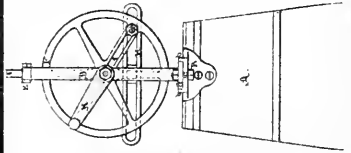
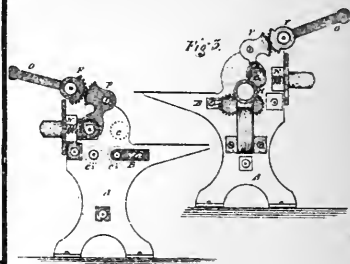
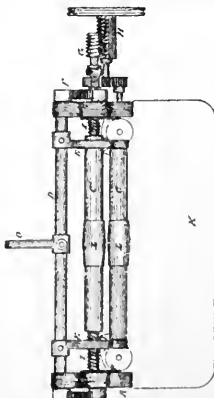
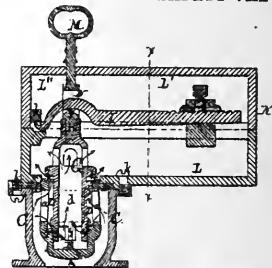
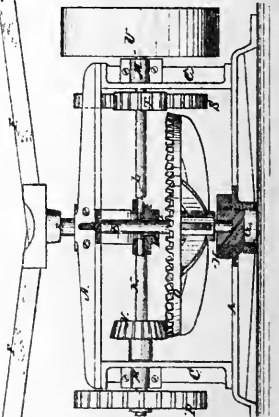
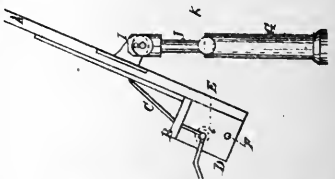
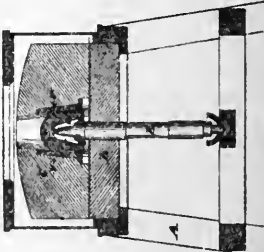
107,299, P. J. SKINNER. LAMP-WICKS.

107,300, S. N. SMITH.  
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ELECTRO-MAGNETIC BURGLAR-ALARMS

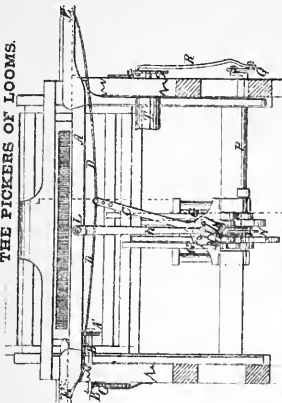
107,302, PETER SOULE. CORN-PLANTERS

107,303, JOSEPH B. STEARNS.  
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TO TELEGRAPH-POLES.107,304, DANIEL C. STILLSON.  
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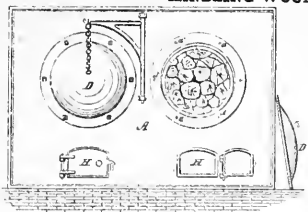
107,306, JOHN G. TALBOT. CHURNS.

107,307, ISAAC TEN EYCK.  
JOHN O. REILLEY.  
CIGAR-MACHINES.107,308, NICHOLAS THOMAS.  
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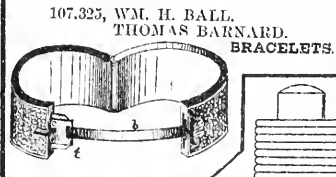
107,313, E. A. WAREHAM.  
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107,319, MERRITT T. ARNOLD.  
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107,324, B. T. BABBITT.  
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FROM SOAP-MAKERS' SPENT LYES.

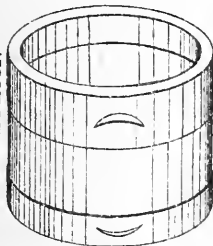


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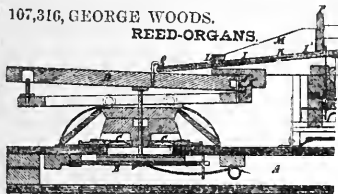
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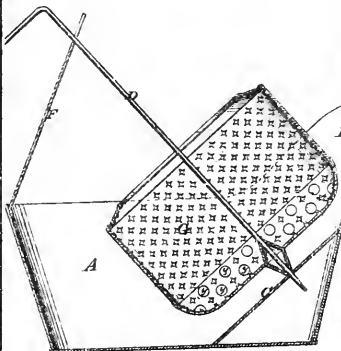
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SAMUEL WILSON.  
CHEESE-HOOP.



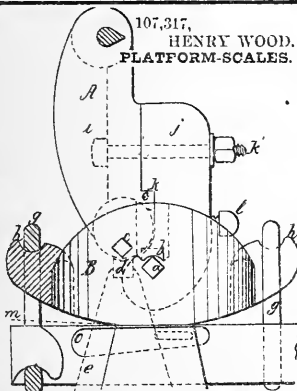
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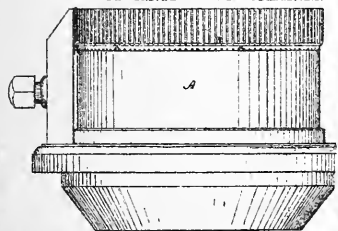
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107,317,  
HENRY WOOD.  
PLATFORM-SCALES.

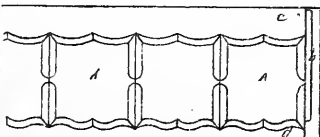


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CONSTRUCTION OF CYLINDERS  
OF KNITTING-MACHINES.

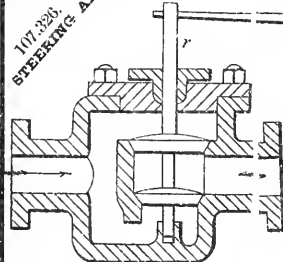


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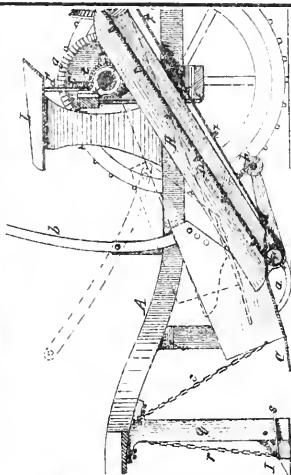
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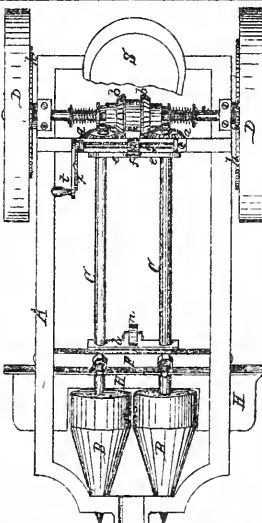
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BOATS, &c.

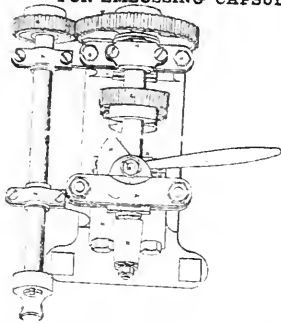
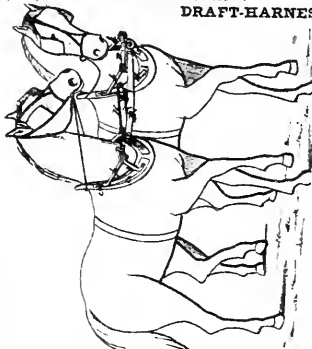
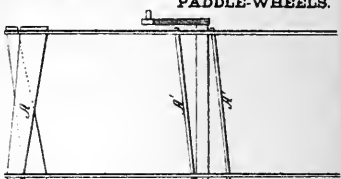


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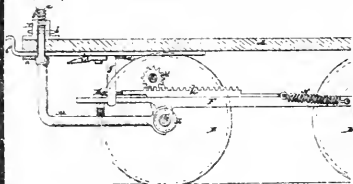
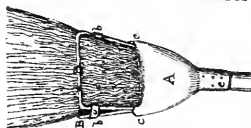
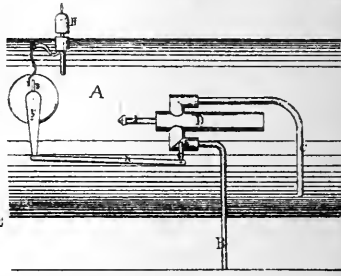
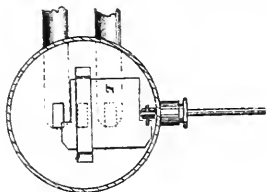
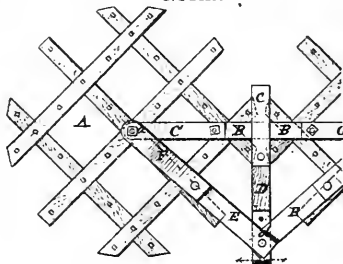
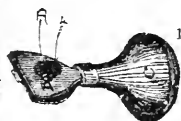
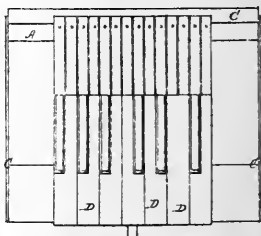
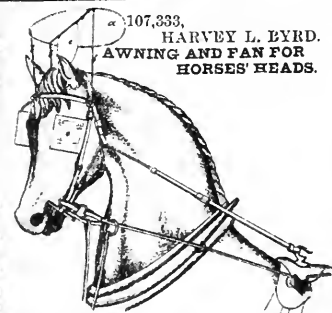
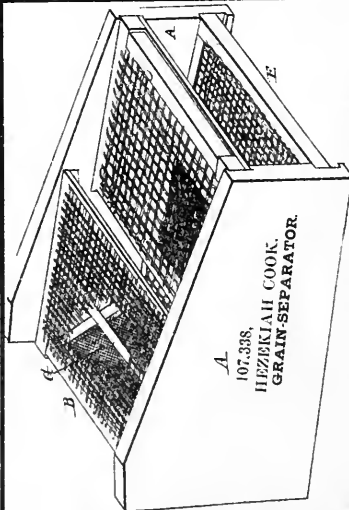
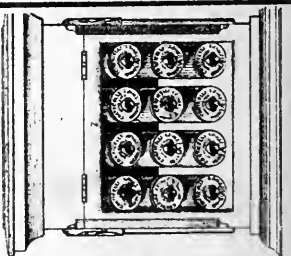
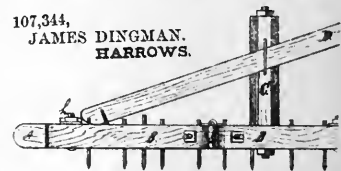


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VINE-FULLERS FOR POTATO-DIGGERS.

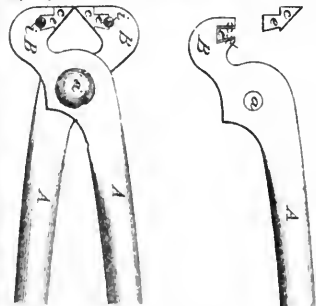
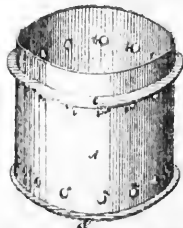


107,329, W. BETTS MACHINES  
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DRAFT-HARNESS107,340, MATTHEW A. CROOKER.  
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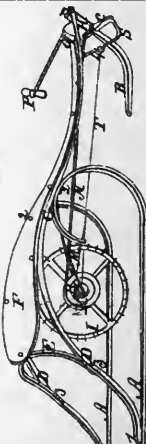
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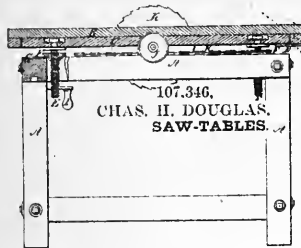
107,336,  
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WATER-REGULATOR.107,331, JOHN A. BRADSHAW.  
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107,334, FRANK CAREW. WIRE-CUTTER.

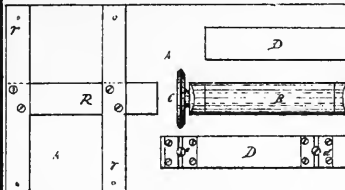
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107,345, C. H. DOUGLAS. SLEDS.

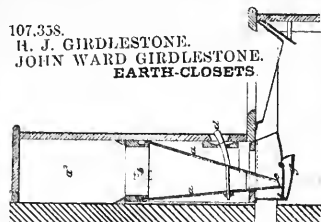




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CHAS. H. DOUGLAS.  
SAW-TABLES.

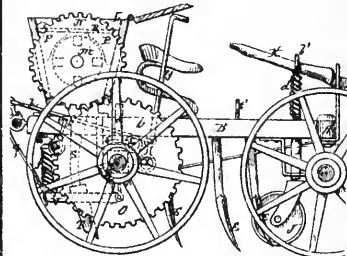


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WOOD PAVEMENT.

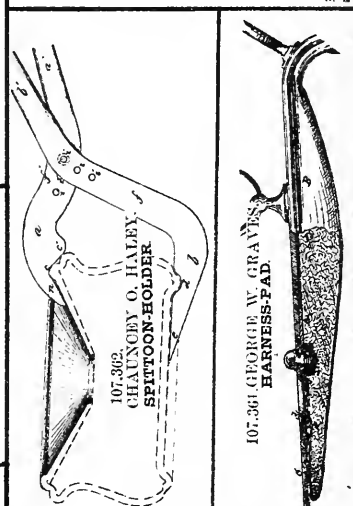
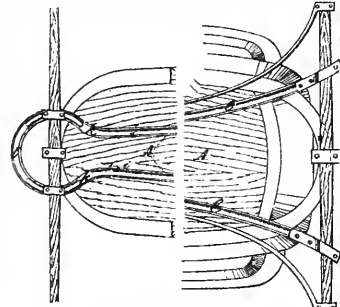


107,358.  
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EARTH-CLOSETS.

107,359. JOHN GIRE. COMBINED  
CULTIVATOR AND GRAIN-DRILL.

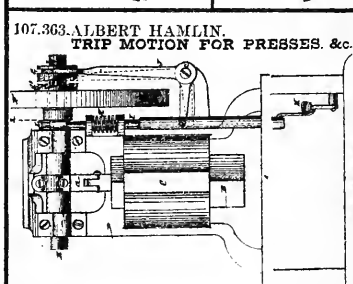


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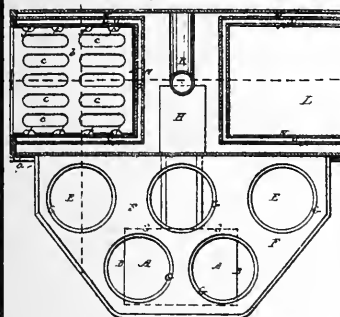
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107,361. GEORGE W. GRAYES.  
HARNESS-PAD.

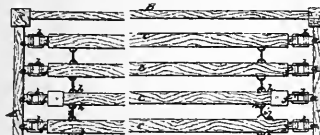


107,363. ALBERT HAMLIN.  
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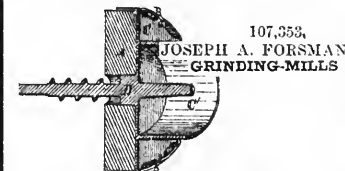
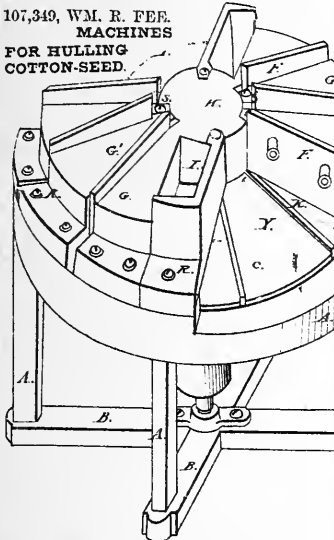
107,347. EBEN EDWARDS.  
FURNACE AND RANGE.



107,348. A. H. FATZINGER.  
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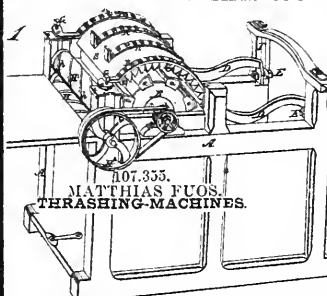
107,349. WM. R. FEE.  
MACHINES  
FOR HULLING  
COTTON-SEED.



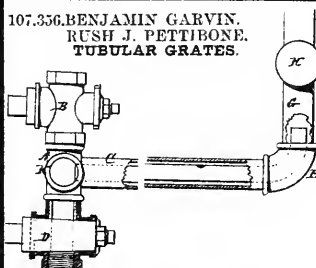
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JOSEPH A. FORSMAN.  
GRINDING-MILLS.



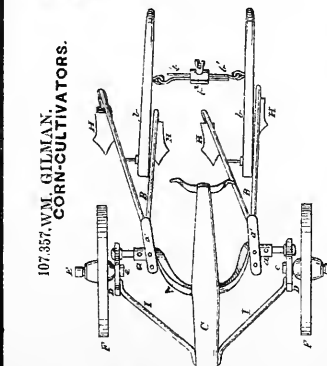
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ALBERT L. FRANCE.  
SHUTTER-  
FASTENERS.



107,355.  
MATTHIAS FUOS.  
THRASHING-MACHINES.

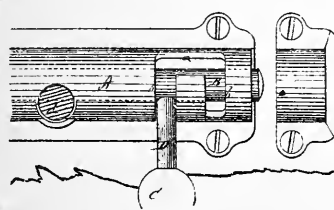


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TUBULAR GRATES.



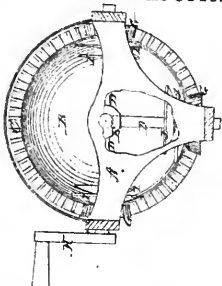
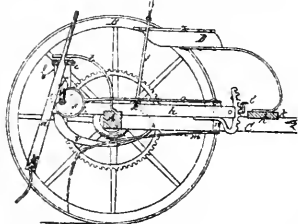
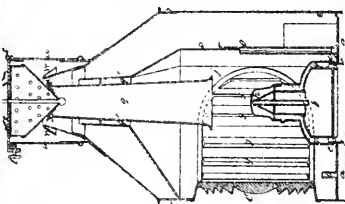
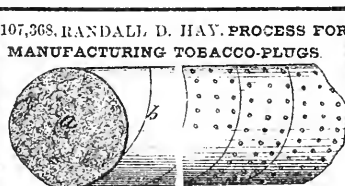
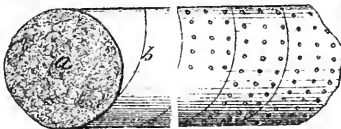
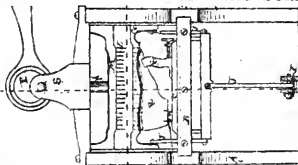
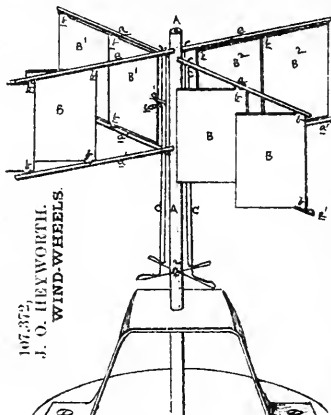
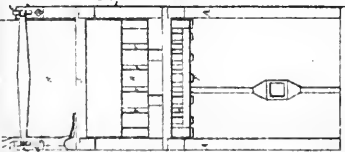
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CORN-CULTIVATORS.

107,350. HENRY FEYH. LOCKING-BOLTS.

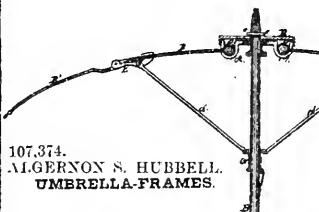
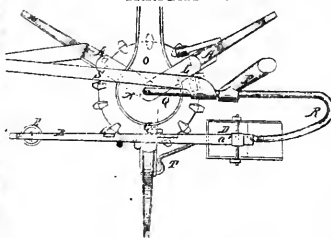


107,351. S. B. FITCH.  
SHEET-METAL CUTTING-MACHINE.

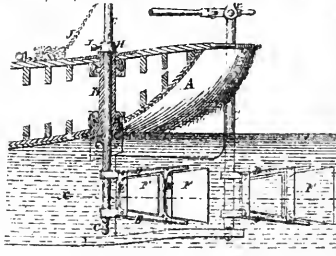


107,364. THOMAS HARTLEY.  
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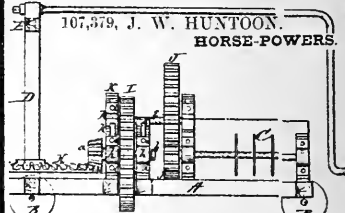
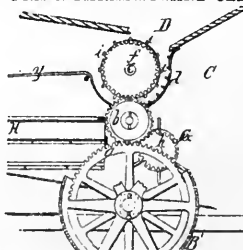
107,373. SUSPENDED.

107,374. ALGERNON S. HUBBELL.  
UMBRELLA-FRAMES.107,375. WILLIAM W. HULL.  
IRRIGATING-MACHINES.

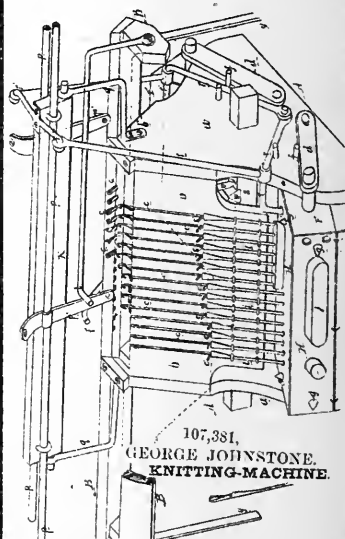
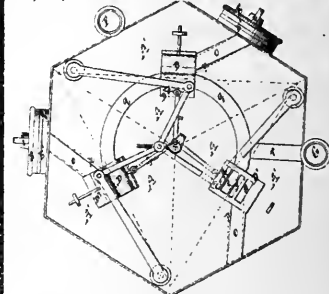
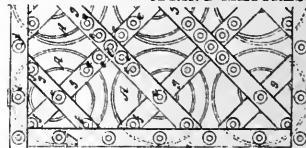
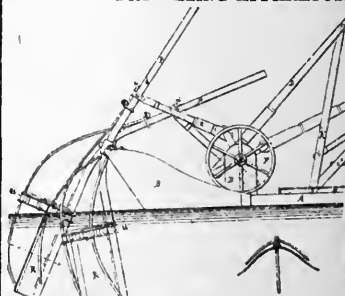
107,376. R. HUNTER. PROPELLERS



107,377. CANCELED.

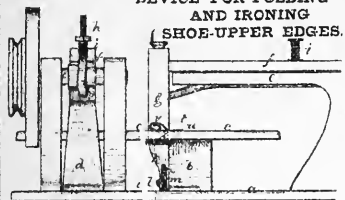
107,378. JAMES W. HUNTOON.  
COMBINED CORN-HUSKER AND SHELLER  
AND GRAIN-THRASHER AND CLEANER.107,379. J. W. HUNTOON.  
HORSE-POWERS.

107,380. HYAM J. HYAMS. GAS-METERS.

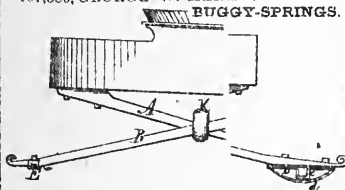
107,381. GEORGE JOHNSTONE.  
KNITTING-MACHINE.107,382. WM. H. JONES.  
ROOFING COMPOSITION.107,383. WILLIAM B. JUDSON.  
SPRING MATTRESS107,384. RICHARD KEARNEY.  
PROPELLING APPARATUS.

107,385, CHARLES A. KEITH.  
JEREMIAH KEITH.  
THOMAS K. KEITH.

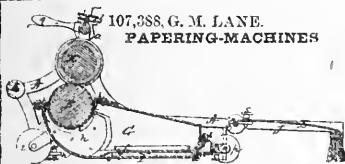
DEVICE FOR FOLDING  
AND IRONING  
SHOE-UPPER EDGES.



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BUGGY-SPRINGS.



107,387, W. T. KOSINSKI.  
COATING FOR STEAM PIPES, BOILERS

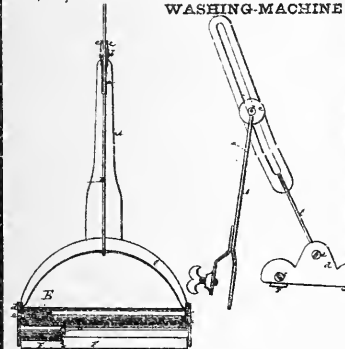


107,388, G. M. LANE.  
PAPERING-MACHINES

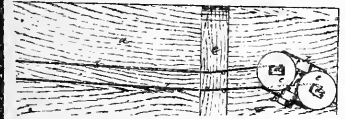
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HAT AND CAP BRACKET.



107,390, REUBEN LIGHTHALL.  
WASHING-MACHINE



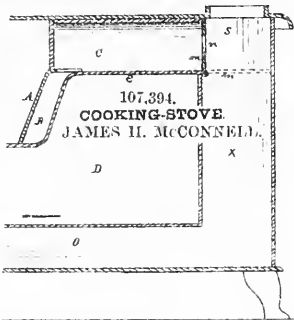
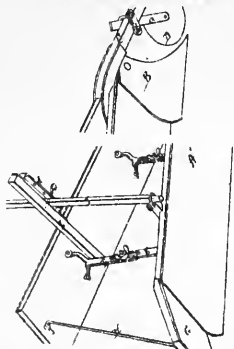
107,391, CHARLES M. LINDSAY.  
SCREW-CLAMP FOR PLANO-PINS.



107,392, ANDREW JACKSON LUFFBARRY, JR.  
OUTRIGGERS FOR ROW-BOATS.

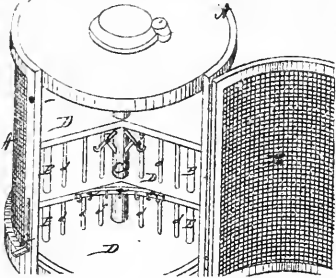


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CLINTON D. BRADSHAW.  
DITCHERS AND GRADERS.

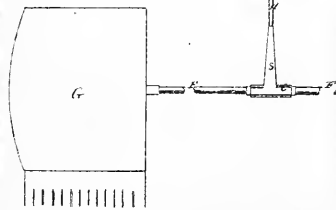
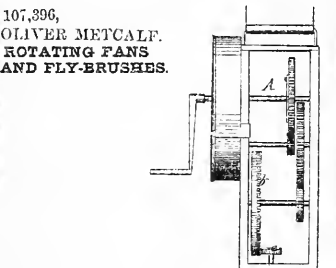


107,394, COOKING-STOVE.  
JAMES H. McCONNELL.

107,395, WAIT MEAD.  
GEORGE E. STARBUCK.  
PROVISION-SAFE.



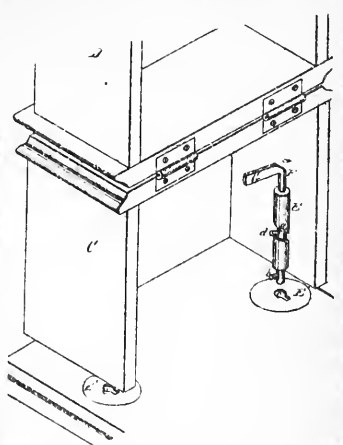
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ROTATING FANS  
AND FLY-BRUSHES.



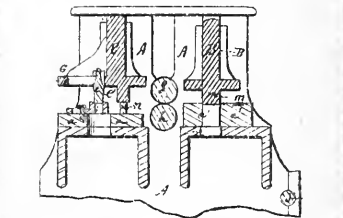
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SCRUBBING-BRUSH.



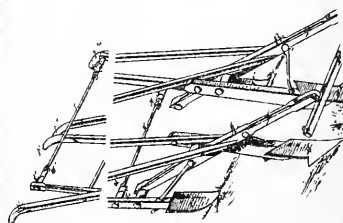
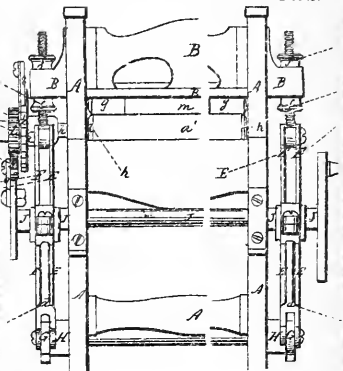
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DEVICE FOR SECURING COVERS  
UPON SEWING-MACHINES.



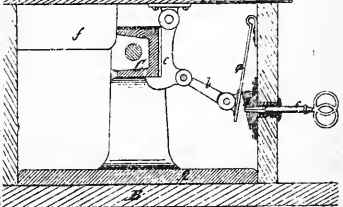
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MARTIN L. WYMAN.  
MACHINES FOR MAKING  
PAPER COLLARS.



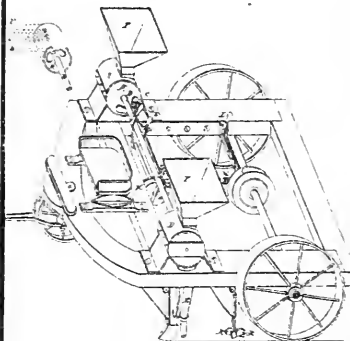
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CORN-FLOWS.



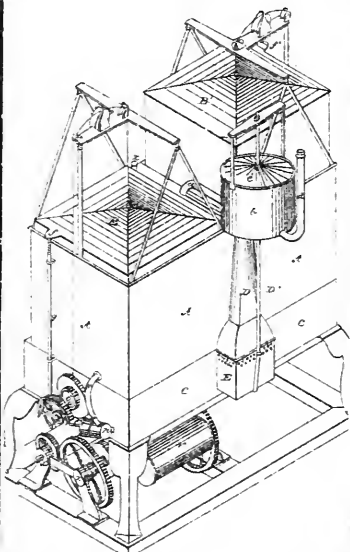
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LOCKS FOR SEWING-  
MACHINE CASES.



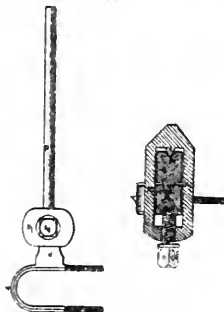
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HENRY AUSTIN NICHOLLS.



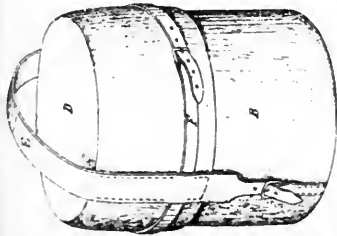
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APPARATUS FOR CARBURETING AIR



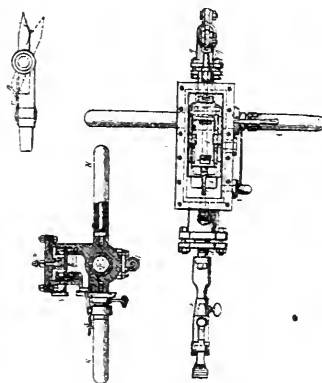
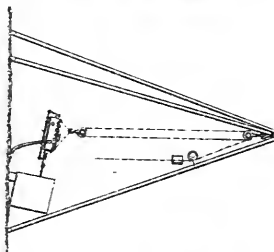
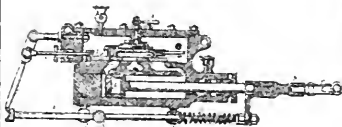
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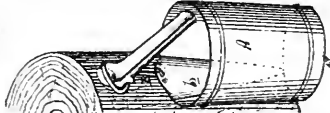
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ICE-PRESERVER.



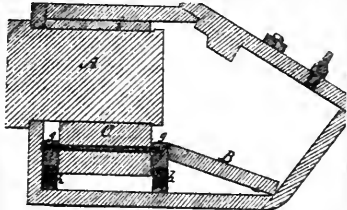
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VALVES IN STEAM APPARATUS  
FOR DRESSING STONE.



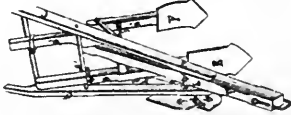
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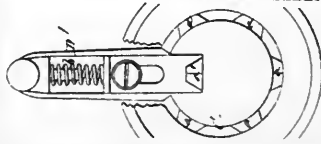
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JOURNAL-BOXES FOR RAILWAY CARS



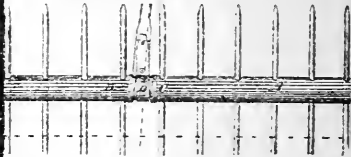
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DOUBLE-SHOVEL PLOWS.



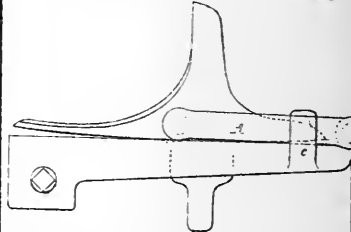
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CORN-SHELLERS



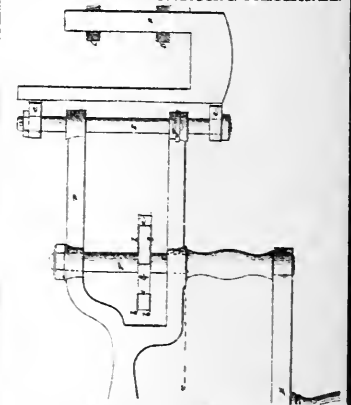
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HORSE HAY-RAKES.



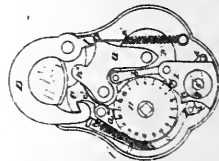
107,412. WANTON ROUSE.  
OPERATING THE PICKER-STAFF  
OF LOOMS.



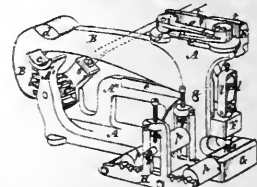
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DAVID S. SHEARER.  
MORTISING-MACHINES.



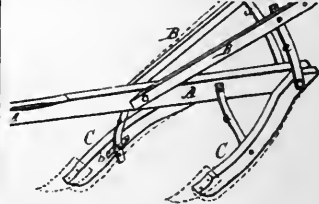
107,414. J. S. SHEPARDSON.  
COMBINATION AND  
REGISTER-PADLOCKS.



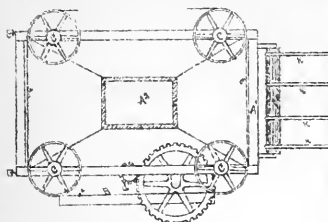
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COMPOUND MACHINES FOR SHEARING  
PUNCHING, UPSETTING,  
AND BENDING METAL.



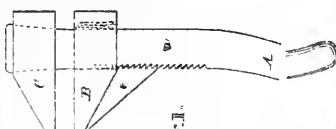
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CULTIVATORS.



107.417. M. P. SMITH. DRIER.



107.425. HENRY TREGELLAS. WRENCHES.



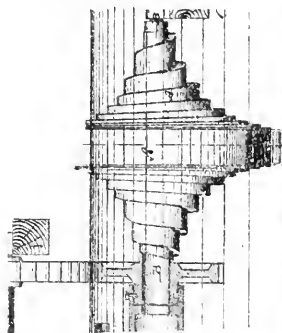
4.117. THOMAS M. HERRIOTT. SAMUEL MYERS. BALANCE SLIDE-VALVES.



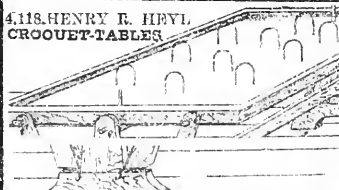
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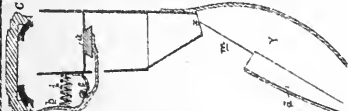
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4.118. HENRY R. HRYL. CROQUET-TABLES.



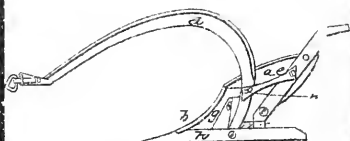
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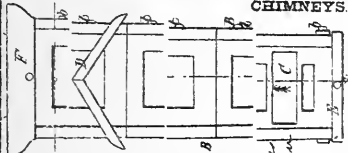
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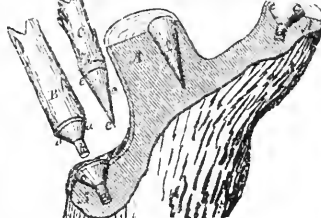
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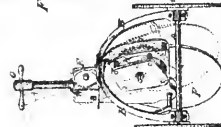
107.421. ALVAN J. SPRAGUE. CHIMNEYS.



107.427. DAVID S. WAGENER. METHODS OF GRAFTING.



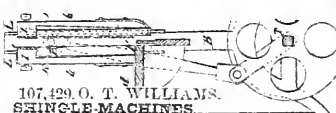
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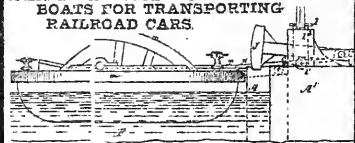
107.422. BERNARD STEINMETZ. LOCKS FOR BAGS, &amp;c.



107.428. SYLVESTER P. WHEELER. COATING EMBOSSED WOOD.



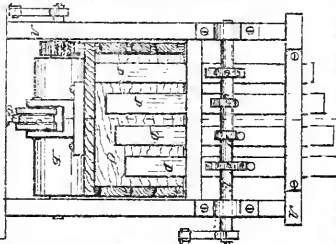
4.121. JESSE WHEELER. BOATS FOR TRANSPORTING RAILROAD CARS.



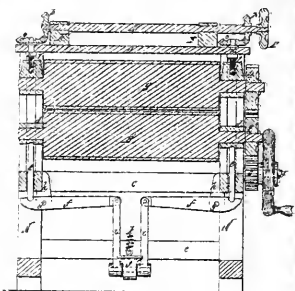
107.423. BYRON G. SWAIN. CURD-AGITATORS.



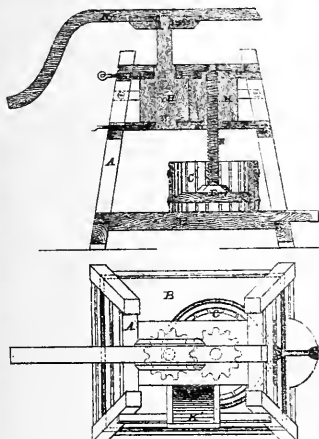
107.430. W. F. WITTE. WASHING-MACHINE FOR WASTE, &amp;c.



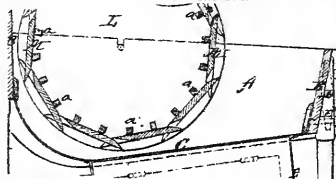
4.122. JOEL WHITNEY. MACHINE FOR ROLLING LEATHER.



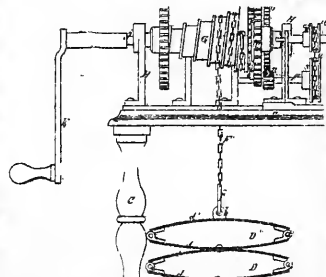
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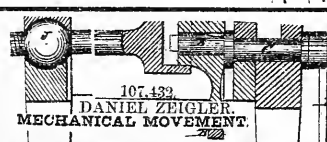
107.431. J. B. WOOLSEY. WASHING-MACHINE.



4.123. JACOB ZUCKERMANN. MOTIVE-POWER FOR SEWING AND OTHER MACHINES.

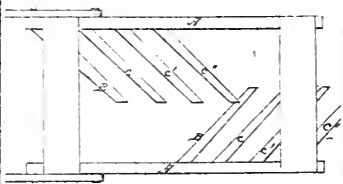


107.432. DANIEL ZEIGLER. MECHANICAL MOVEMENT.

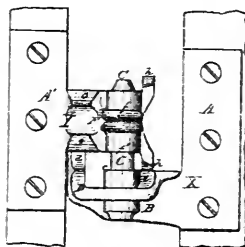


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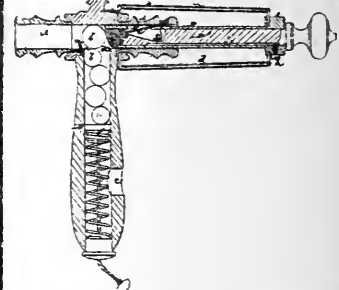
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POTATO DIGGER.



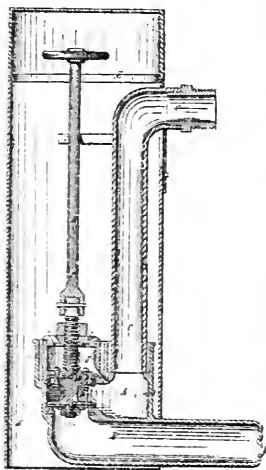
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SELF LOCKING HINGE.



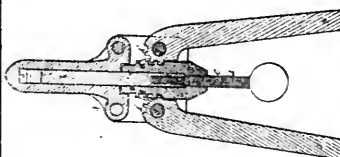
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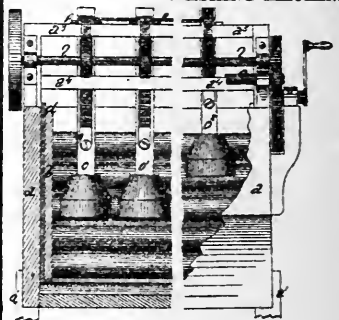
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107,438 J. R. BROWN BOLT CUTTER.



107,443. E. L. BULLOCK.  
WASHING MACHINE.



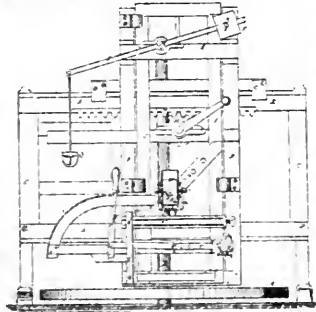
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SEAT FOR ROW BOATS.



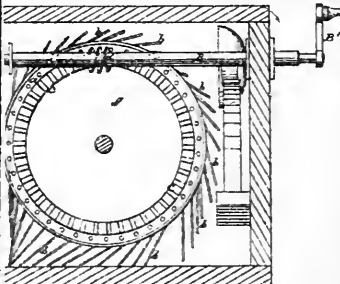
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HOISTING GRAPPLE.



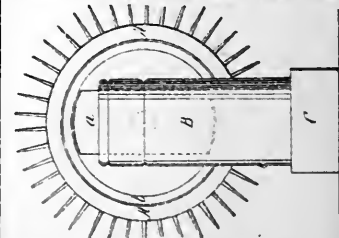
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MACHINE FOR DRESSING TILES.



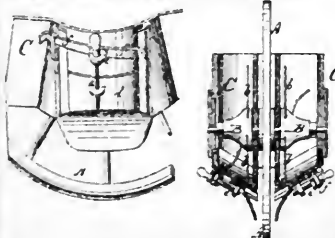
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STREET INDICATOR FOR CITY CARS.



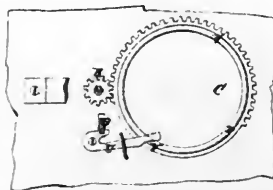
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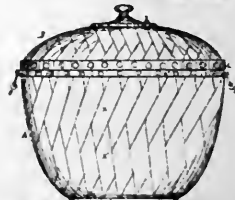
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SEED AND GUANO DISTRIBUTER.



107,441. N. BRYAN SOLAR CAMERA.

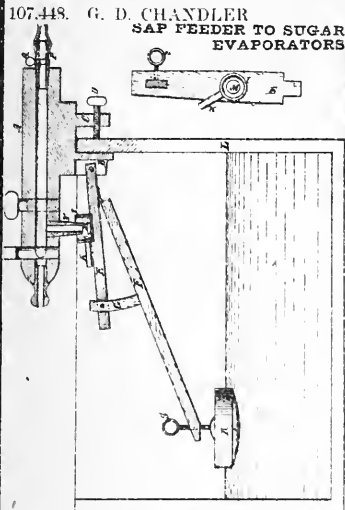


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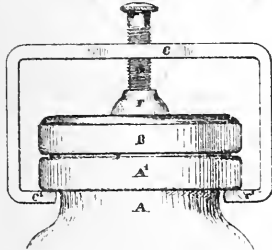




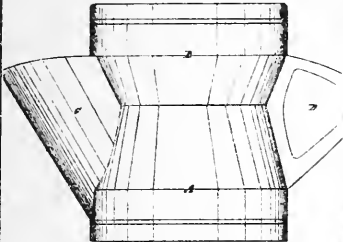
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REMOVING BURS FROM WOOL.



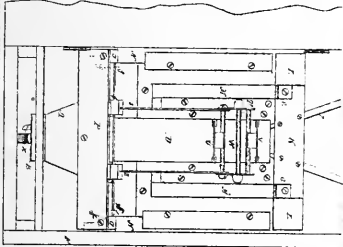
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H. C. MASCREFT. FRUIT JAR.



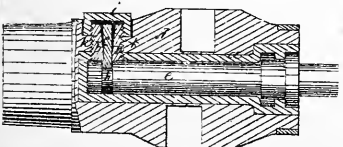
107.450. F. B. CLOCK. SHAVING MUG.



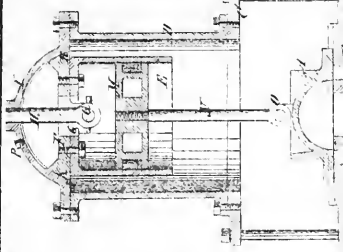
107.451. L. G. CLOCK. EARTH CLOSET.



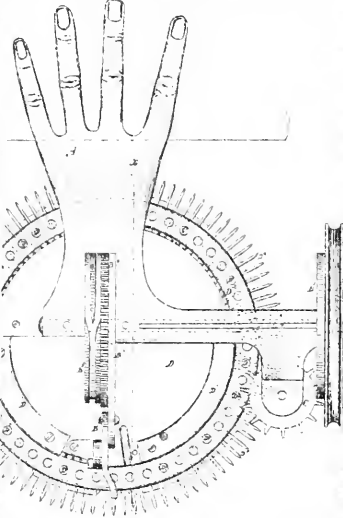
107.452. G. E. CLOW.  
SECURING HUBS TO AXLES.



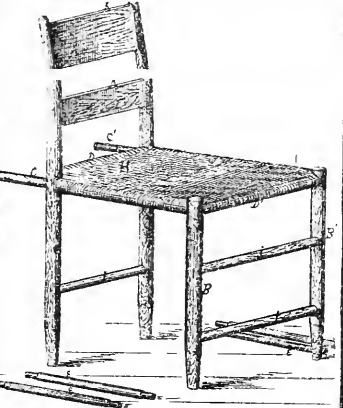
107.453. O. COLLIER AND  
W. H. MASTERMAN. BALANCED SLIDE  
VALVE.



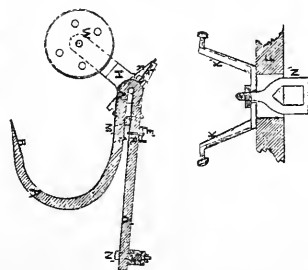
107.454. F. M. COMSTOCK.  
KNITTING MACHINE.



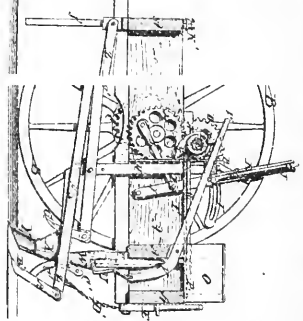
107.455 J. K. COOLIDGE AND N. H. HILL.  
FOLDING OR KNOCK DOWN CHAIR.



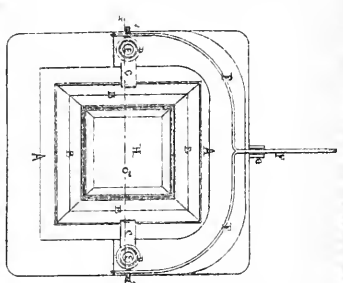
107.456. I. COPELAND. HORSE ROE.



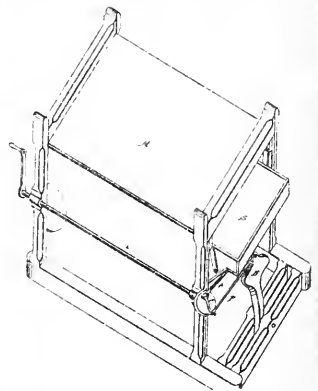
107.457. J. COSAND. CORN PLANTER.



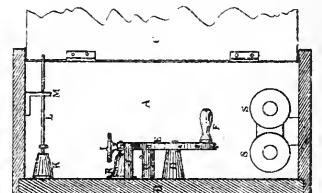
107.458. E. T. COVELL.  
SOLDERING MACHINE.



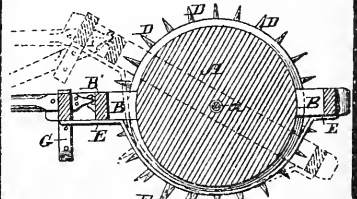
107.459. W. CRANE. DEVICE FOR  
BALANCING FANING MILL SHOES.



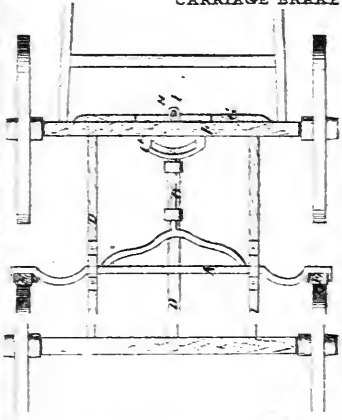
107.460. S. D. CUSHMAN. SIGNAL BOX  
FOR FIRE ALARM TELEGRAPHS.



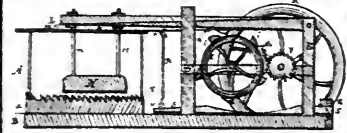
107.461 F. A. DANN AND J. McKIBBEN.  
COMBINED HARROW AND ROLLER.



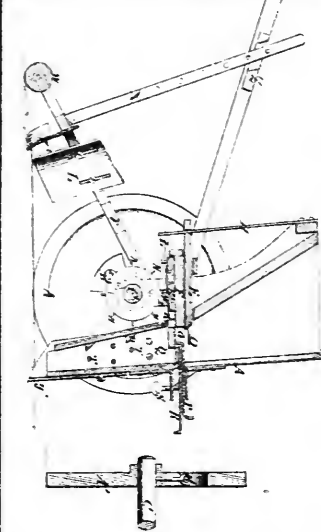
107,462. H. B. S. DAVIS  
CARRIAGE BRAKE



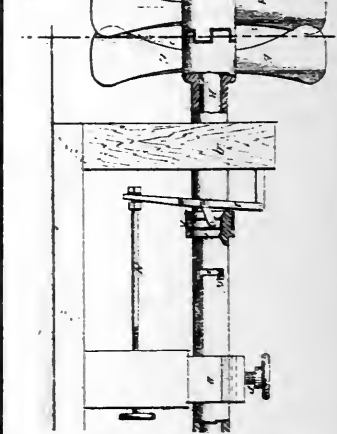
107,463. J. A. EBERLY. MEAT CHOPPER



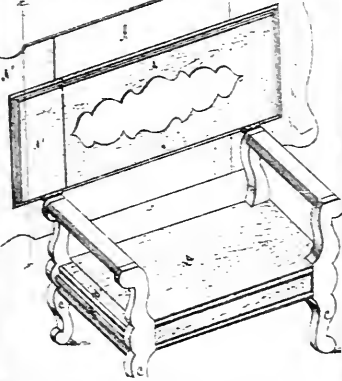
107,467. C. R. EDWARDS SEED PLANTER



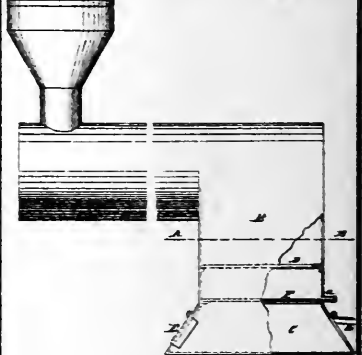
107,471. J. D. FORD. PROPELLER



107,468. M. DEBZELL  
EXTENSION TABLE AND SETTEE



107,472. W. A. FOSTER LOCOMOTIVE



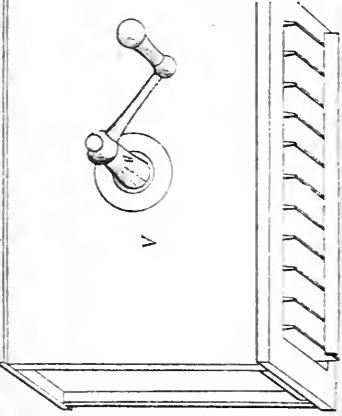
107,468. W. FERGUSON AND  
J. ANDERSON  
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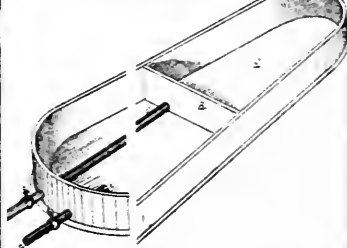
107,473. V. FOUNTAIN, JR. BUNG.



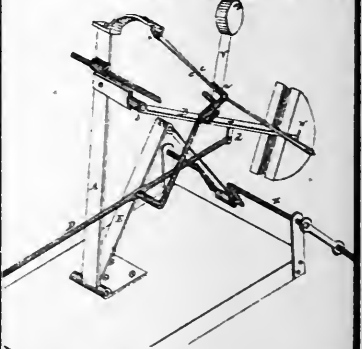
107,464. L. DEDERICK. CHURN.



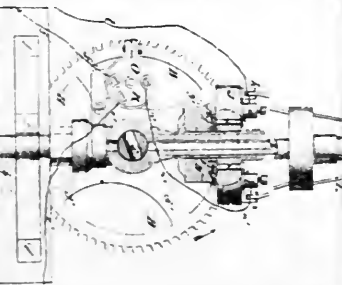
107,469. J. FISCHER. IRONING BOARD



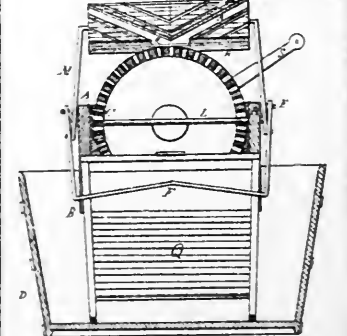
107,474. H. FOWLER.  
MECHANICAL HAND MOTOR.



107,465. C. N. EALER  
ELECTRIC GAS LIGHTING APPARATUS



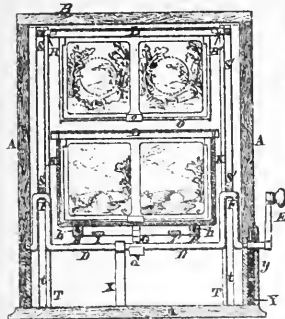
107,470. C. FORD AND F. C. GARBUTT  
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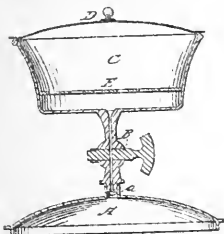
107,475. H. FOWLER  
MECHANICAL HAND MOTOR.



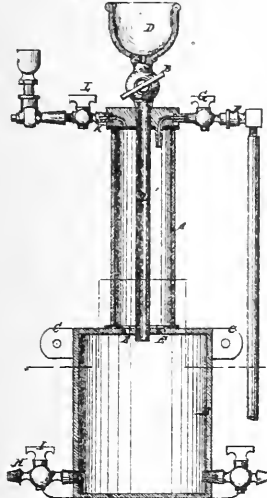
107,476. T. FUGATE. BOX STEREOSCOPE.



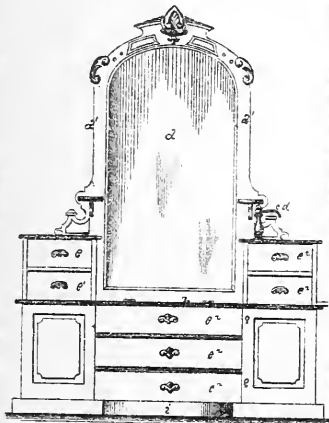
107,477. J. GALLAGHER COOKING APPARATUS.



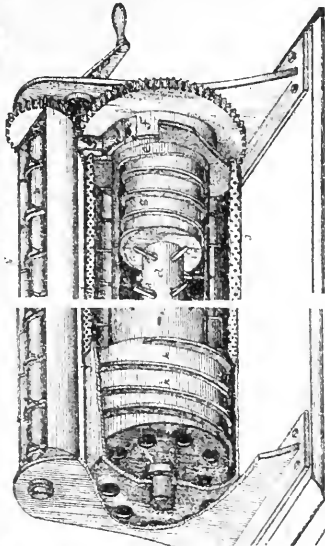
107,478. J. GATES LUBRICATOR.



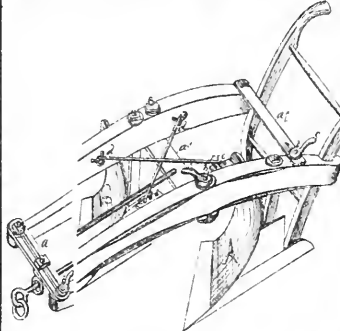
107,479. J. E. GILMAN COMBINED DRESSING BUREAU AND BATH TUB.



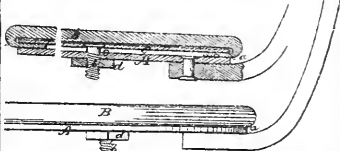
107,480. A. J. GLAS. APPARATUS FOR DECORTICATING SEPARATING, AND DRYING GRAIN.



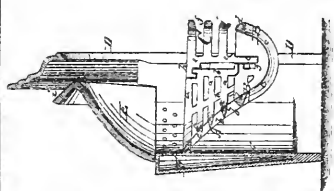
107,481. C. M. GORDON. PLOW.



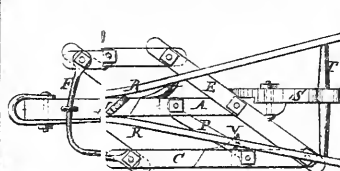
107,482. C. H. GOULD. SHIELD FOR CARRIAGE STEPS.



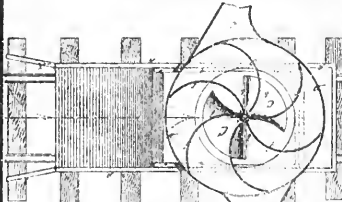
107,483. J. HACKETT FIRE PLACE GRATE.



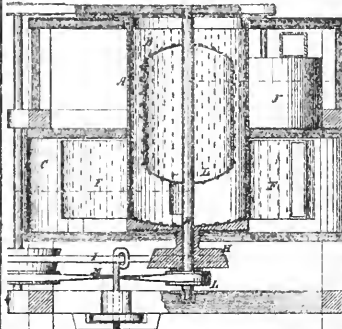
107,484. J. H. HAMILTON CULTIVATOR.



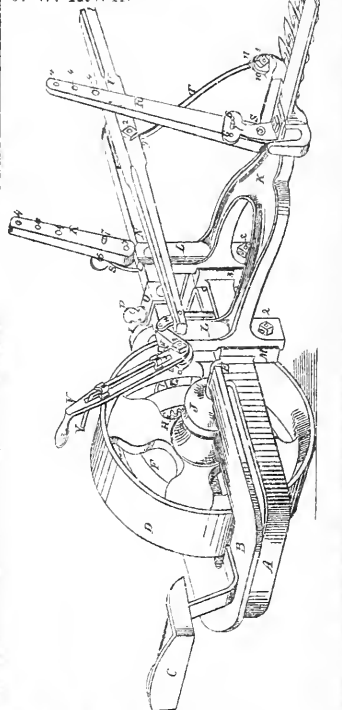
107,485. R. C. HARRIS SNOW PLOW.



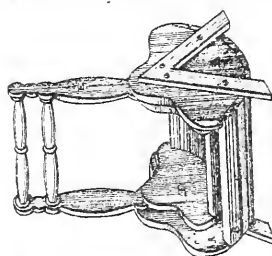
107,486. I. N. HARSHBARGER. GRAIN SCOURER.

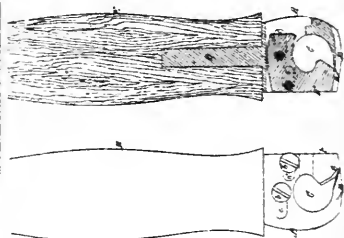
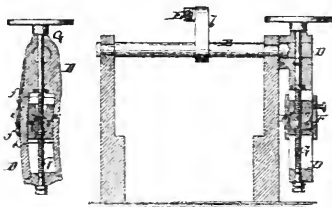
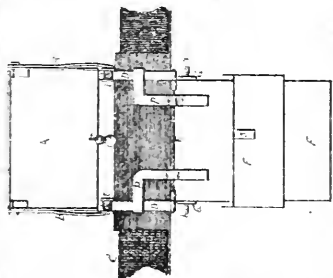


107,487. A. J. HASWELL AND J. W. IRWIN HARVESTER.

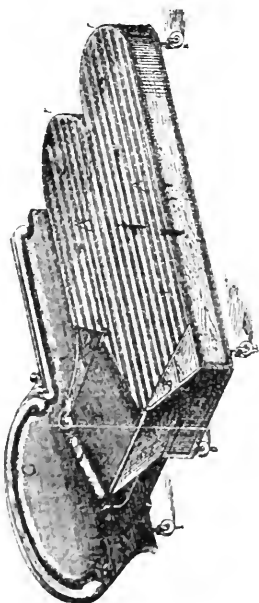
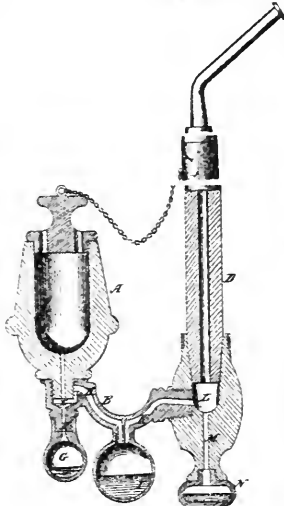
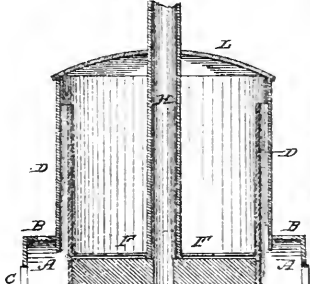


107,488. P. HAYDEN WASHING MACHINE.

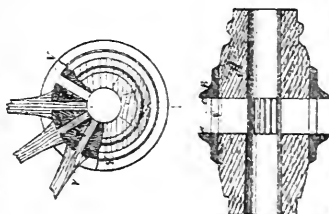


107,489. J. R. HAYES  
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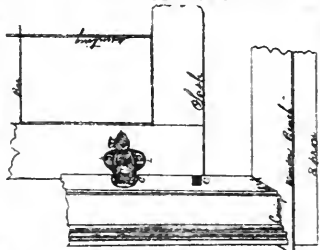
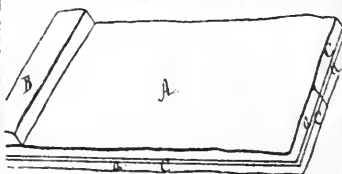
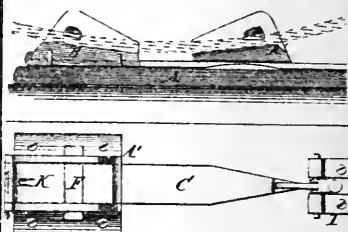
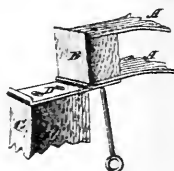
107,494 N. H. HILL EXTENSION LOUNGE

107,495. C. F. HITSSELBERGER  
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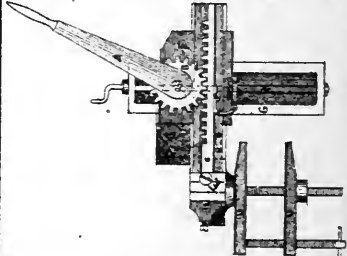
107,497. J. B. HUBBELL WAGON HUB.



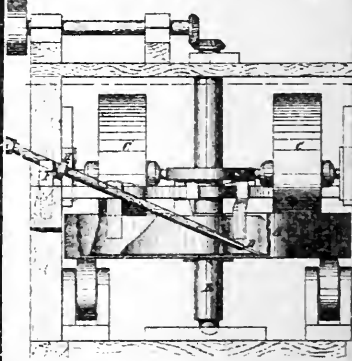
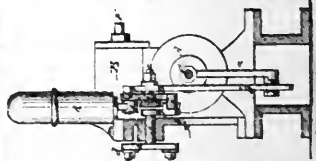
107,498. H. C. HUNT. GASH HOLDER.

107,499. J. HUNT  
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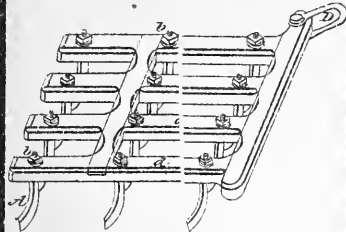
107,502 A. JUDSON PLANING MACHINE



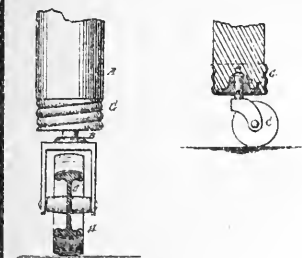
107,503 J. KELLET MUD AND ORE MILL

107,504. J. C. KING. VALVE GEAR  
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J. C. KING

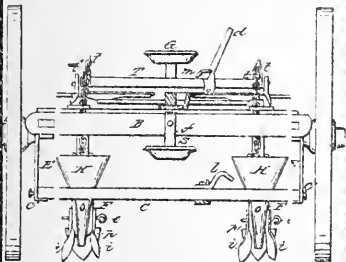
107,506 H. R. KINNEY HARROW TEETH



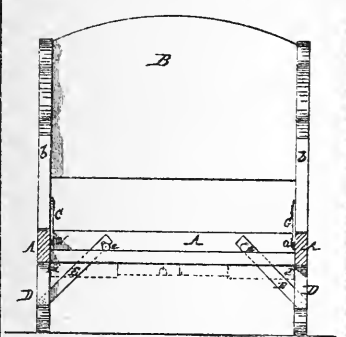
107,507. J. KINTZ. CASTER.



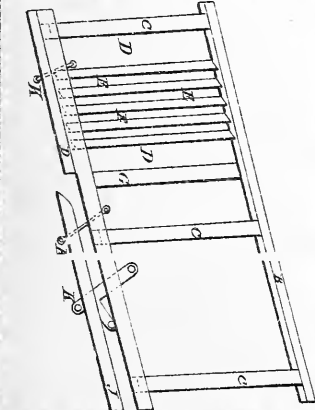
107,508. M. L. KISSELL AND J. B. KISSELL, CORN PLANTER.



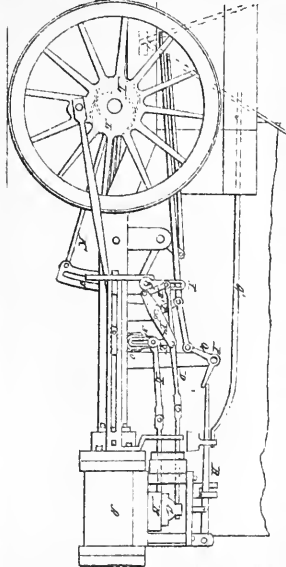
107,509 H. W. LADD BEDSTEAD AND COT



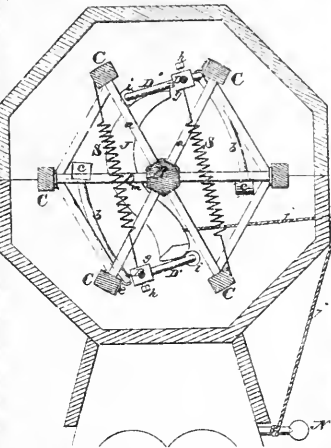
107,510. I. LEBO. THRASHING MACHINE SEPARATOR



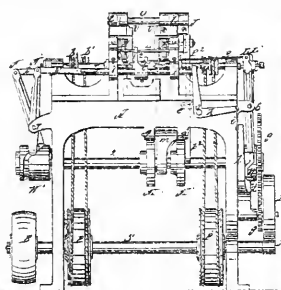
107,511. C. LEWIS. LOCOMOTIVE ATTACHMENT.



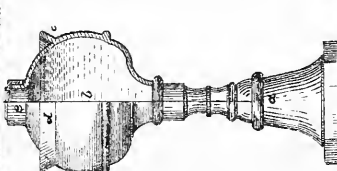
107,512 F. B. LEWIS BOLTING REEL



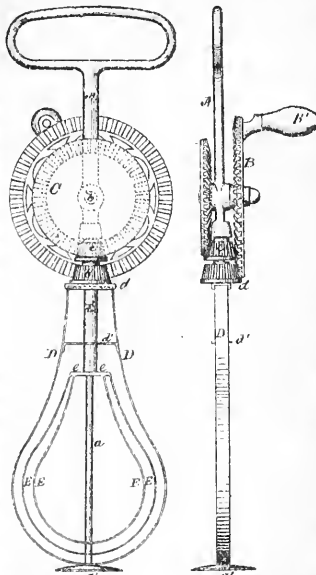
107,513. H. LOCKE, TURNING LATHE



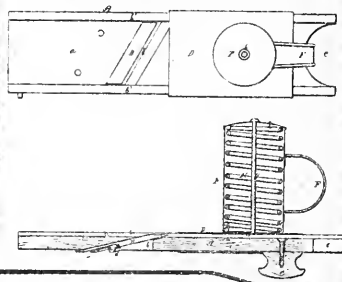
107,514. G. H. LOMAX LAMP.



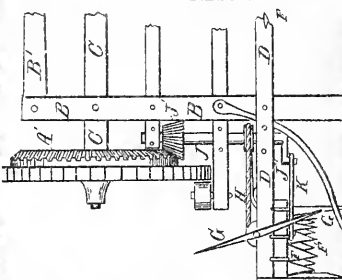
107,515. T. MARSH. EGG BEATER.



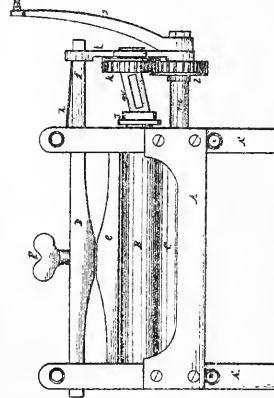
107,516. W. A. MAYHEW FRUIT AND VEGETABLE SLICER



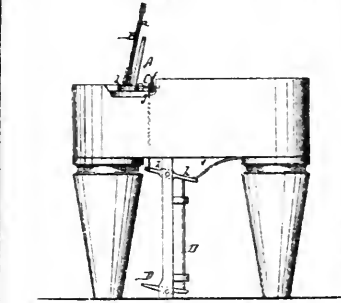
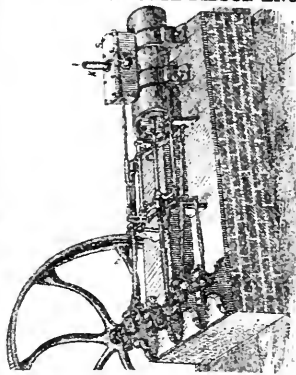
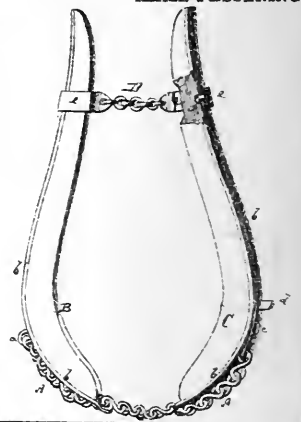
107,517 J. McANULTY HEDGE TRIMMER



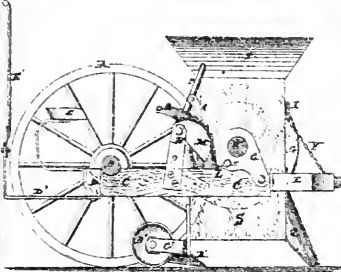
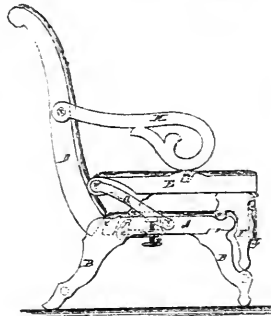
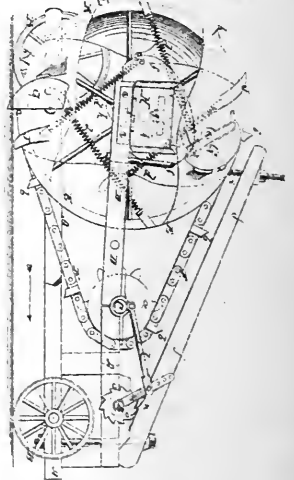
107,518. J. McLAUGHLIN CLOTHES WRINGER.



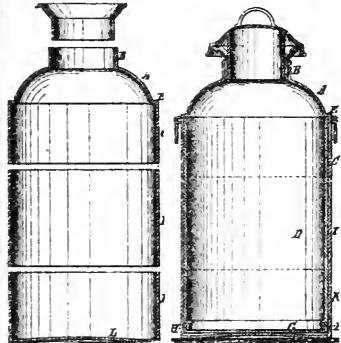


107,519. J. W. MELLOR  
MUSIC LEAF TURNER.107,524. A. W. MORRELL  
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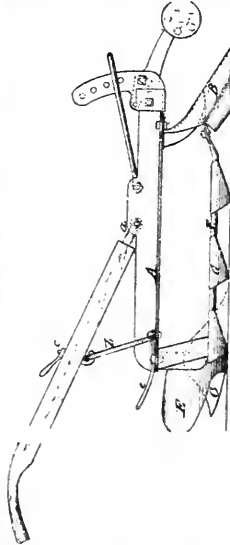
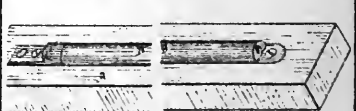
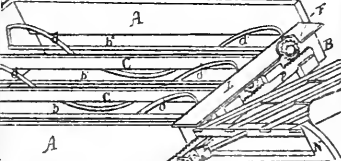
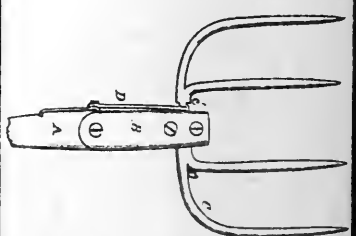
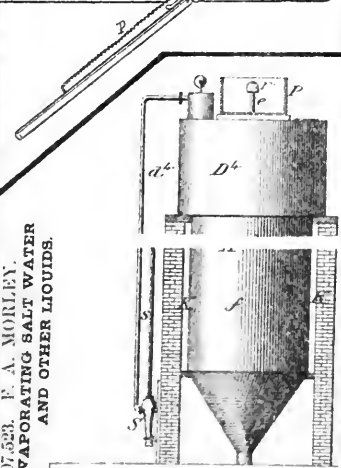
107,520 W. M. MEYER-CORN PLANTER.

107,525. W. MORSTATT AND F. KIIP.  
FOLDING CHAIR.107,529 R. R. OSGOOD  
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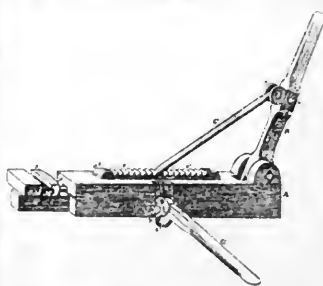
107,521. J. C. MILLIGAN MILK CAN.



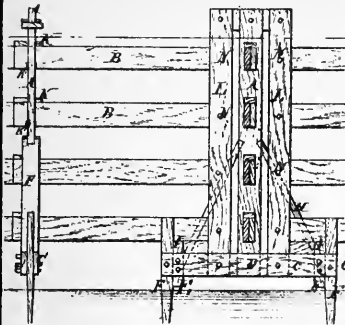
107,526. J. NEFF, JR. CULTIVATOR.

107,530 E. PARKER  
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HARVESTER DROPPER.107,531. T. W. PEIRCE.  
HAY FORK AND HOOK.107,523. E. A. MORLEY.  
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AND OTHER LIQUIDS.

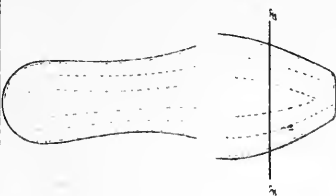
107,527. D. NETTLETON FLOOR CLAMP.

107,532. L. V. PERCIVAL AND J. LINK  
ANIMAL TRAP.

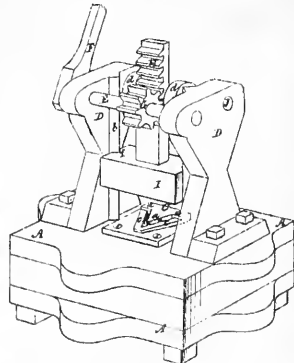
107,533. L. PHILIPS. FENCE



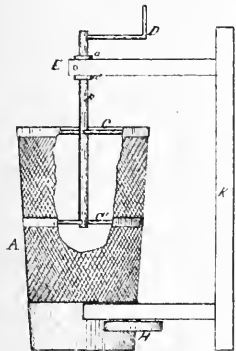
107,537. W. E. PRALL. INSIDE SOLE FOR BOOTS AND SHOES



107,541. S. F. REYNOLDS. MACHINE FOR TEMPERING SICKLE SECTIONS, PLANE IRONS, &amp;c



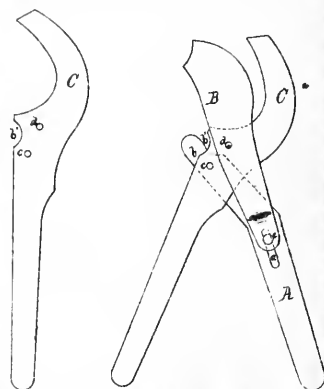
107,534 L. B. PITCHER. MANNER OF MOUNTING HOLLOW REVOLVING CYLINDERS.



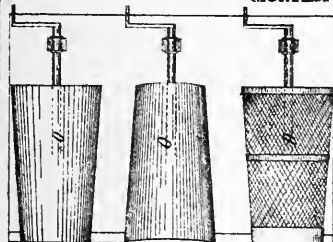
107,538. W. E. PRALL. COVER FOR BOOTS AND SHOES



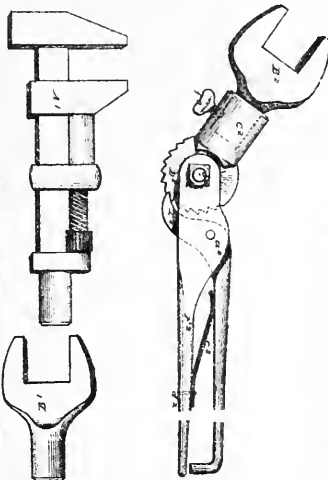
107,542 W. RICHARD PRUNING KNIFE.



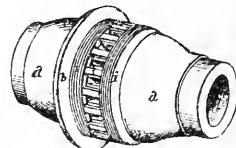
107,535 L. B. PITCHER PROCESS AND MACHINERY FOR MAKING MORTAR.



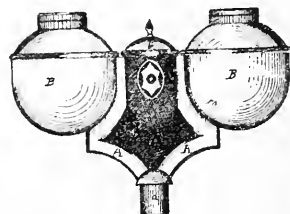
107,539. F. P. RAND. WRENCH



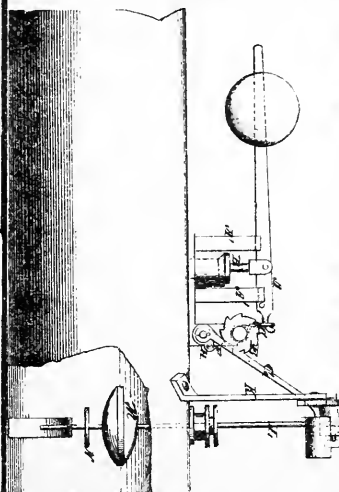
107,543. J. RIDGE CARRIAGE WHEEL.



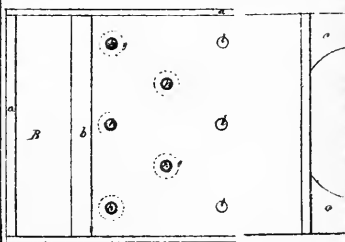
107,544. D. C. RIPLEY GLASS LAMP.



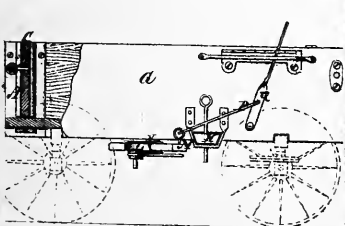
107,540. W. R. REECE. SAFETY VALVE.

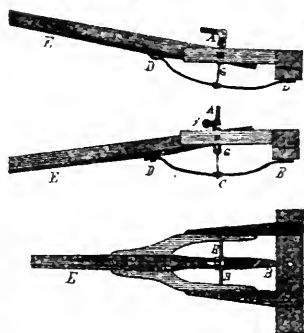


107,545. C. ROBINSON. ALLEY BOARD FOR BALL GAMES.

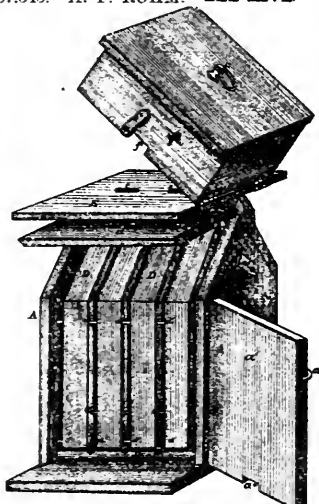
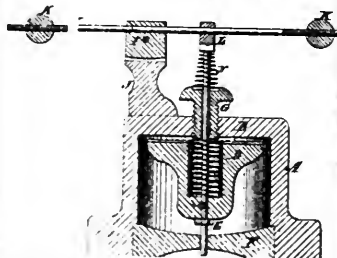
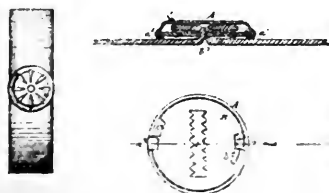
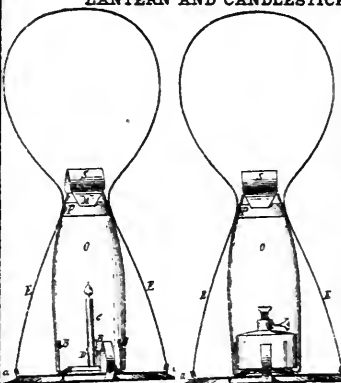


107,536. W. H. PORTER WAGON BED.

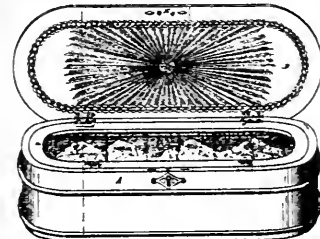
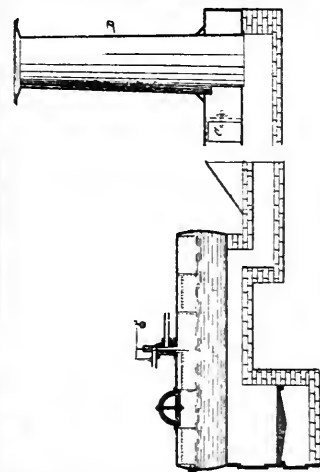
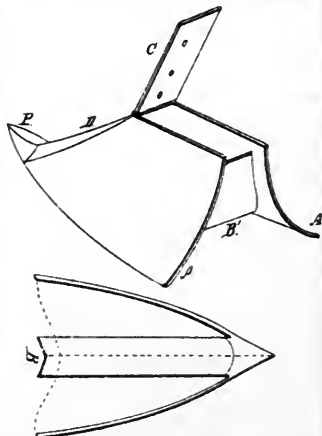
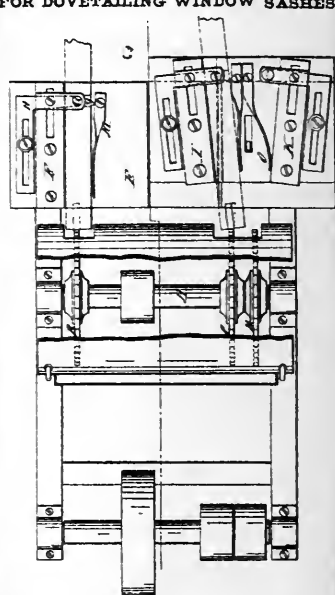
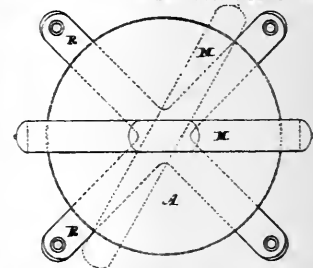
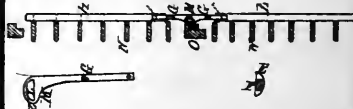


107,546. D. D. ROBINSON.  
WAGON TONGUE SUPPORT107,547. A. H. ROCKWELL.  
CHECK REIN CONNECTOR

107,548. H. F. ROHM. BEE HIVE

107,549. T. P. SANBORN  
ORGAN TREMULANT107,550. A. SCHEYDECKER  
CLASP FOR ELASTIC BANDS107,551. M. A. SHEPARD COMBINED  
LANTERN AND CANDLESTICK

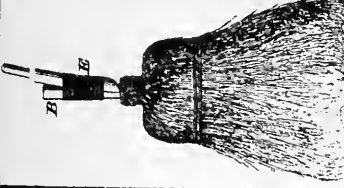
107,552. G. SHILLING-BURIAL CASE.

107,553. L. SIBERT. DESULPHURIZING  
AURO PYRITES AND OTHER ORES.107,554. D. SLAUGHTER  
SHOVEL FOR SEEDERS.107,555. DE W. C. SMITH. MACHINE  
FOR DOVETAILING WINDOW SASHES.107,556 J. S. SMITH  
TWINE HOLDER STAND107,557. J. B. SMITH, S. A. GREELY  
AND A. CAMPAIGNE.  
BLIND SLAT OPERATOR

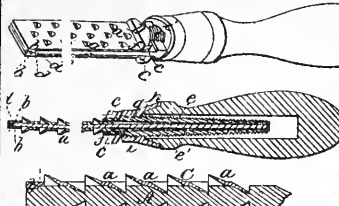
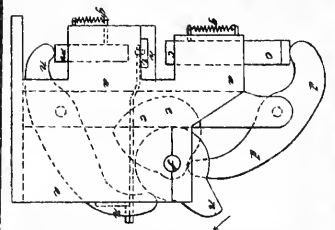
107,558. C. L. STEELE. FLOWER POT.



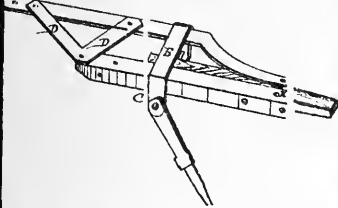
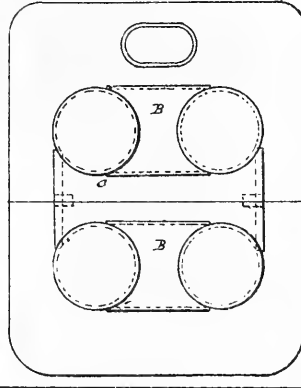
107,559. J. STRONG. BROOM HANDLE.



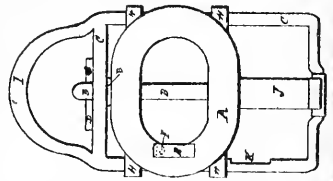
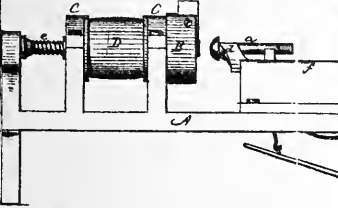
107,565. I. F. THOMPSON. RASP.

107,570. C. VOLKERT.  
BUTTON MACHINE.

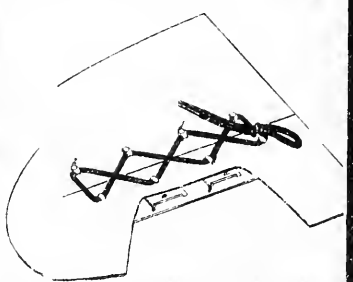
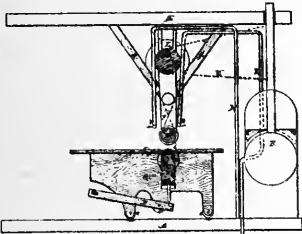
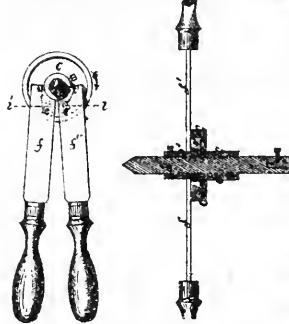
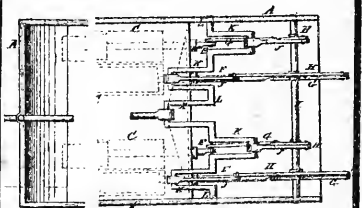
107,560. J. W. SURSAGANG FLOW BEAM.

107,566. J. THORNILEY  
CENTER PLATE FOR STOVE TOPS.

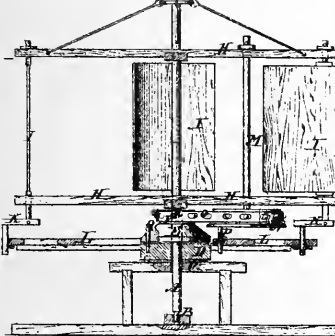
107,571. W. WALKER. CAR COUPLING.

107,561. W. F. SWATHIEL MACHINE  
FOR TURNING THE HEADS OF BOLTS.

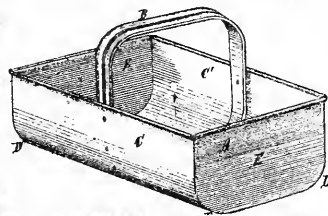
107,572. W. P. WARE. SHOE FASTENING.

107,562. E. D. TAYLOR AND W. RUDE  
MACHINE FOR BREAKING HIDES AND  
WORKING LEATHER.107,567. A. TURNBULL.  
RATCHET FEED MECHANISM.107,573. E. K. WATSON  
PROPELLING CANAL BOATS.

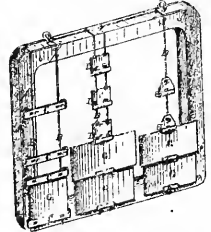
107,563. B. C. TERRY WIND WHEEL.



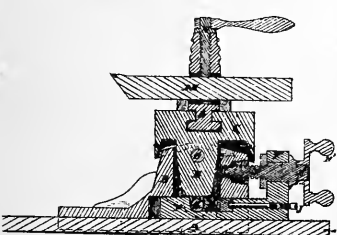
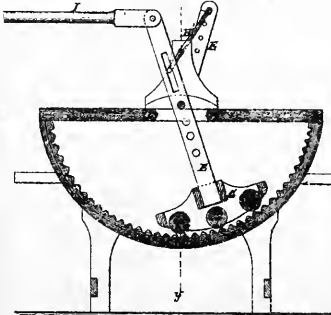
107,568. S. S. VAIL. WOOD BUCKET.



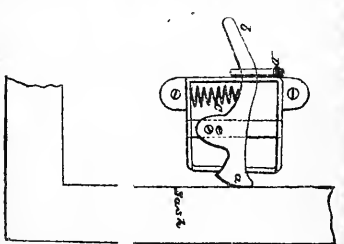
107,574. W. WENDELL. CARD RACK.



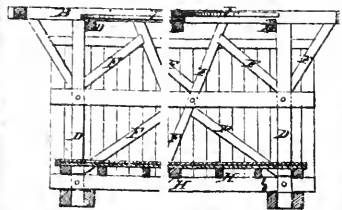
107,564. A. THOMAS. TOOL REST.

107,569. A. L. VAN NORMAN.  
WASHING MACHINE.

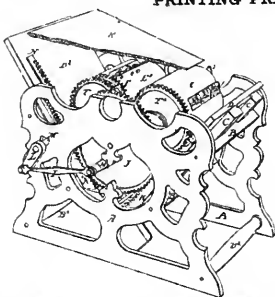
107,575. G. W. WHEAT. SASH HOLDER.



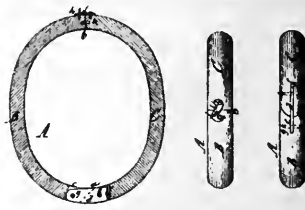
107,576. I. H. WHEELER BRIDGE.



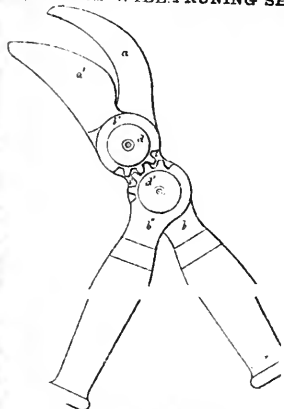
107,583. C. D. WRIGHTENGTON PRINTING PRESS.



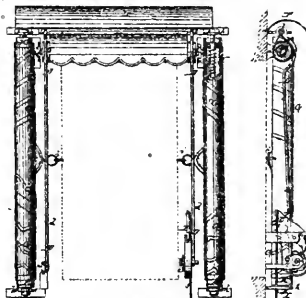
107,588. J. BARCLAY. BRACELET.



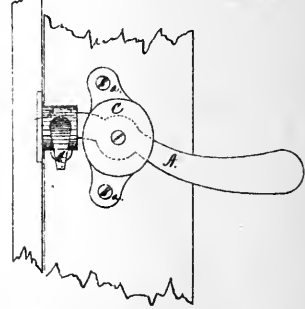
107,577 F. A. WILL PRUNING SHEARS



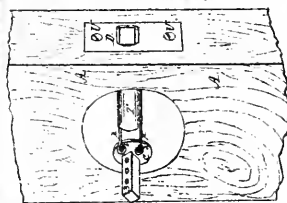
107,584. L. YENNE AND C. SCHNEIDER ADJUSTABLE AWNING



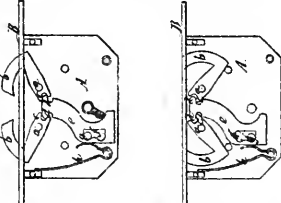
107,589 E. BARKS AND L. H. EMMONS LATCH FOR GATES.



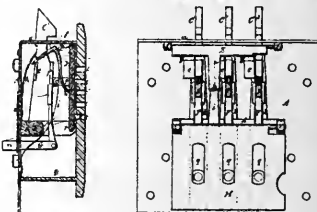
107,578 J. T. WILLIAMS KNOB LATCH.



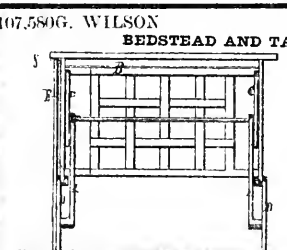
107,585 H. AHREND LOCK FOR PIANOS, &amp;c



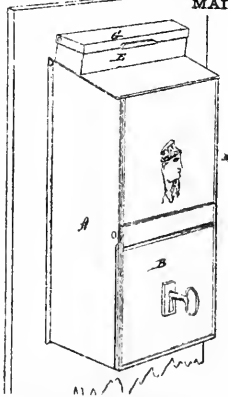
107,590. J. E. AND L. P. BARNES PERMUTATION LOCK.



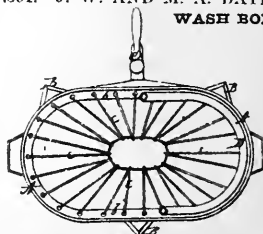
107,579 F. D. WILLIAMS COMPOUND FOR STUFFING AND FINISHING LEATHER.



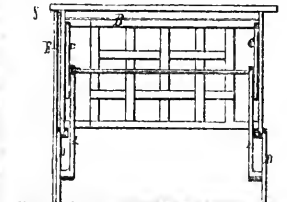
107,586. A. W. ALLEN AND C. REITZ. MAIL BOX.



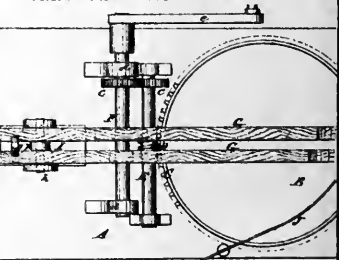
107,591. J. W. AND M. A. BATES WASH BOILER.



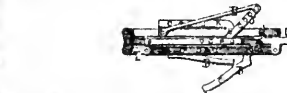
107,580 G. WILSON BEDSTEAD AND TABLE



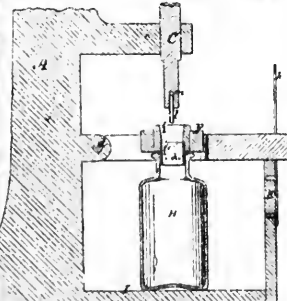
107,592 T. BONFILS AND J. GROSSMAN MEAT AND VEGETABLE CUTTER.



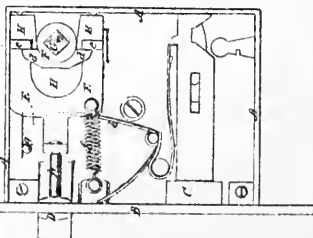
107,581 G. WILSON ADJUSTABLE CHAIR



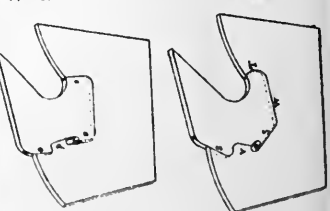
107,582 J. WOLFF AND W. N. NUSSEN BOTTLE CORKING MACHINE



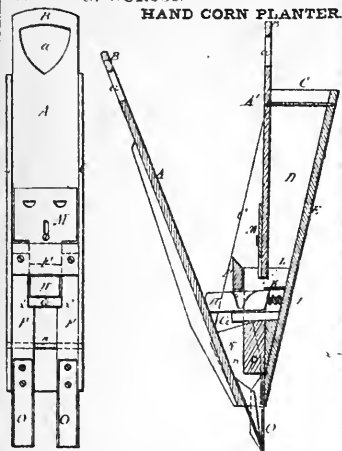
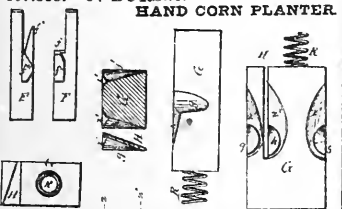
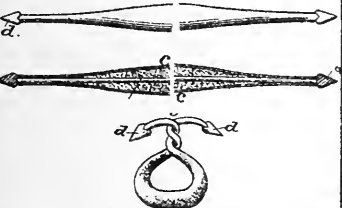
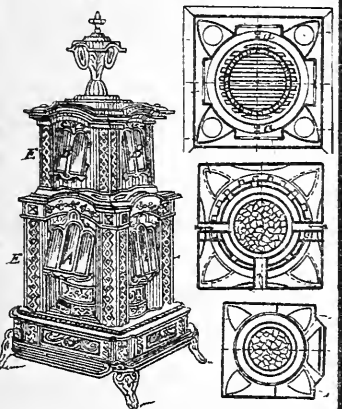
107,587. H. P. APPLETON REVERSIBLE KNOB LATCH



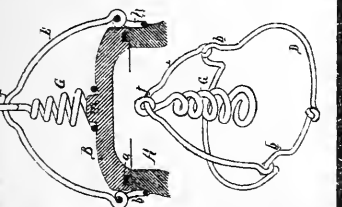
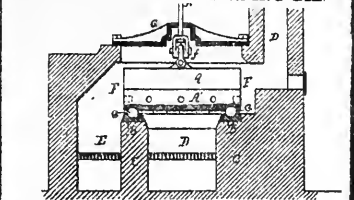
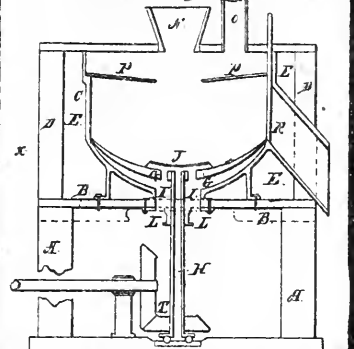
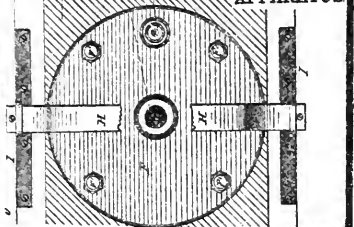
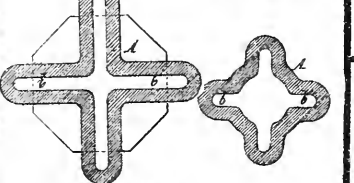
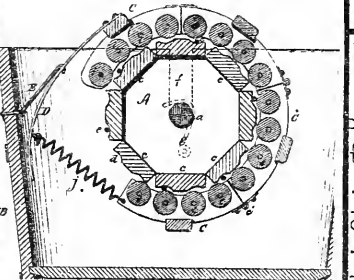
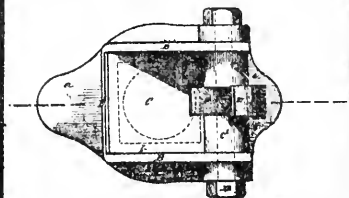
107,593. W. E. BROOKE. SAW.



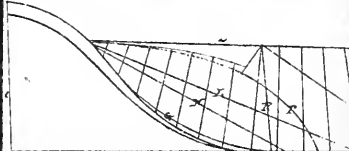


107,594. G. BURSON.  
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HAND CORN PLANTER.107,596. P. CEREDO. DEVICE  
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BASE BURNING COAL STOVE.

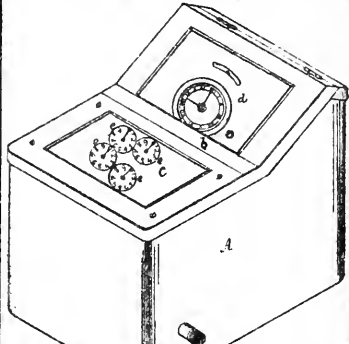
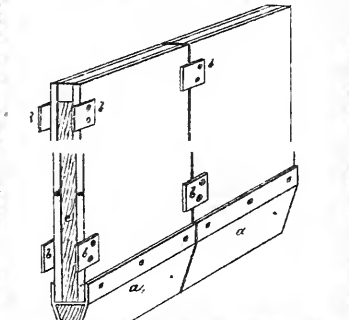
107,598. E. CROFT. FRUIT JAR.

107,599. H. DISSTON. COMBINED FURNACE  
OR OVEN AND TEMPERING DIE.107,600. A. DUVAL. APPARATUS  
FOR ROASTING AND DRYING  
ORES AND OTHER MATERIALS.107,601A. J. ELDER. ELECTRO  
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APPARATUS.107,602. D. EYNON.  
ART OF MANUFACTURING SPIKES.107,603. A. F. DU FAUR.  
EXHAUST NOZZLE.107,604. J. A. FLETCHER  
WASHING MACHINE.107,605. W. A. POSTER. EXHAUST  
NOZZLE FOR STEAM ENGINES.

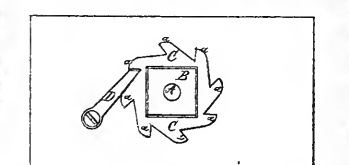
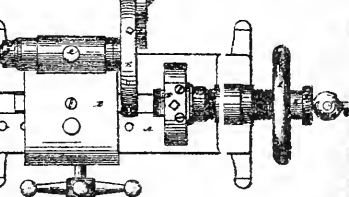
107,606. F. M. FRANKLIN. FLOW.



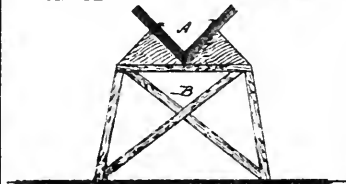
107,607. W. H. FREUN. LIQUID METER.

107,608. S. GARDNER. PROTECTING  
DIKES AND EMBANKMENTS AGAINST  
THE RAVAGES OF ANIMALS, &c.

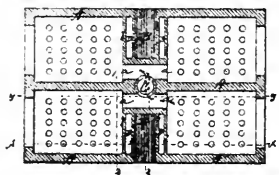
107,609. R. GILLILAND. NUT LOCK.

107,610. J. J. GRANT. MACHINE FOR  
DRILLING AND CUTTING  
SCREW THREADS.

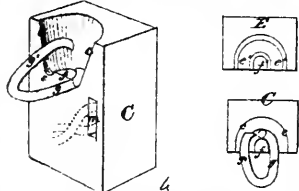
107.611 J. W. HAINES  
CHUTE FOR DELIVERING TIMBER.



107.612 B. R. HAWLEY. KILN.



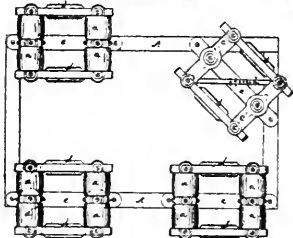
107.613. W. B. HAYDEN. MACHINE  
FOR WELDING CHAIN LINKS.



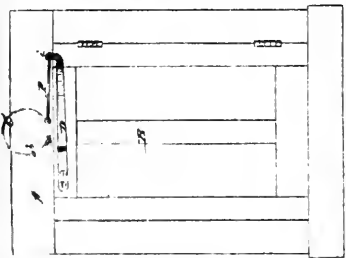
107.614. E. J. HELWIG  
FASTENING FOR EPAULETS.



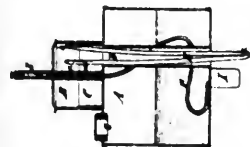
107.615. S. INMAN.  
DEVICE FOR MOVING BUILDINGS.



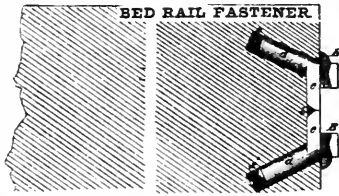
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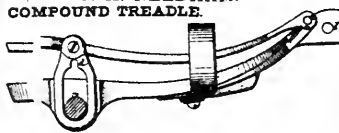
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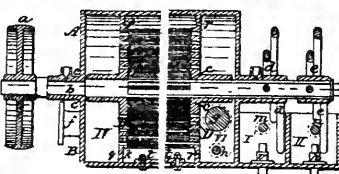
107.618. J. LEMMAN  
BED RAIL FASTENER.



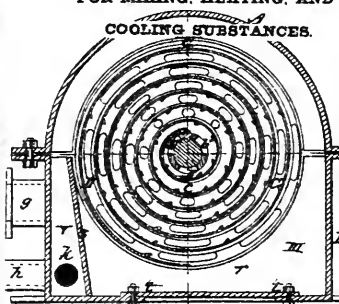
107.619. O. H. NEEDHAM.  
COMPOUND TREADLE.



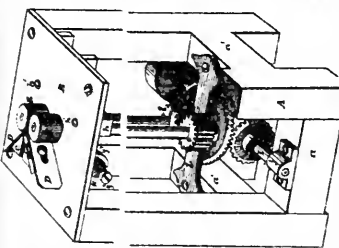
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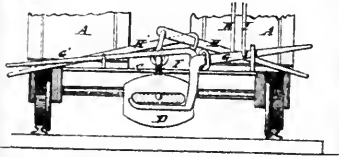
107.621. M. NOLDEN APPARATUS  
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COOLING SUBSTANCES.



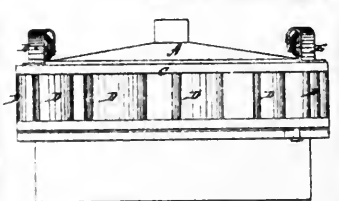
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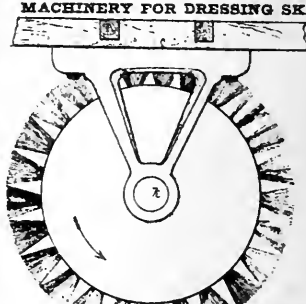
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APPARATUS FOR COUPLING CARS.



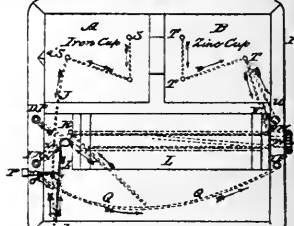
107.624. J. RANEY.  
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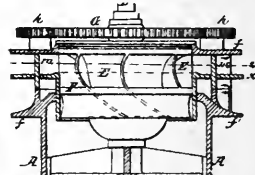
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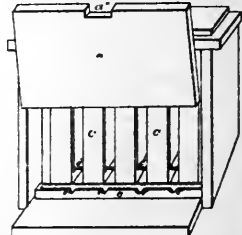
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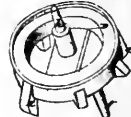
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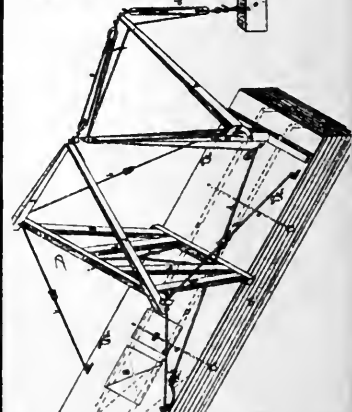
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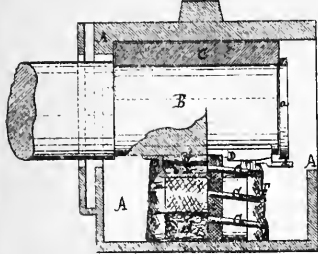


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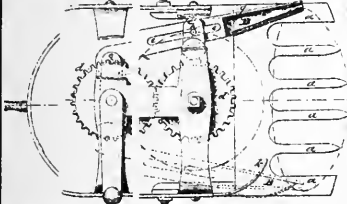
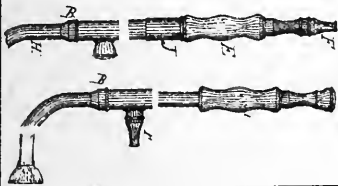
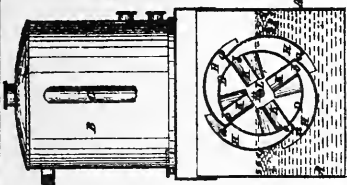
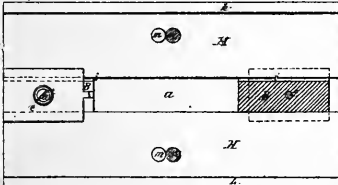
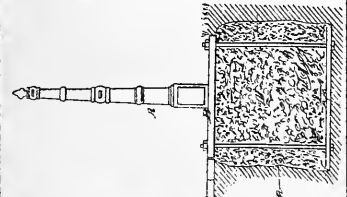
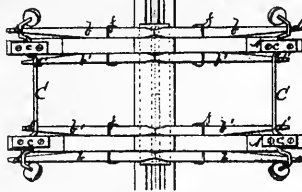
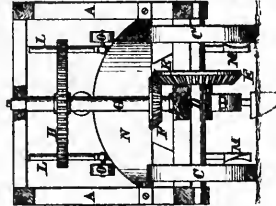


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DERRICK BOAT.

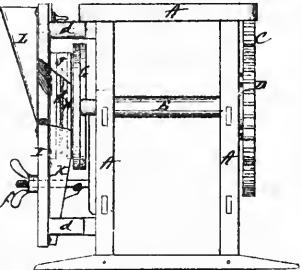
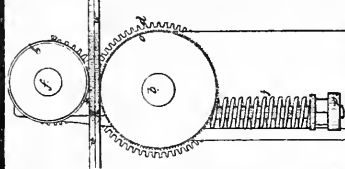
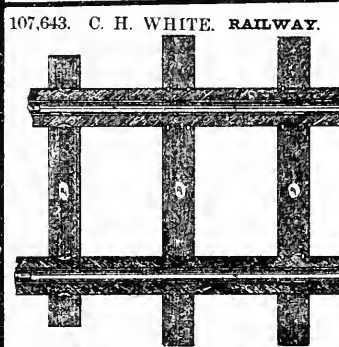


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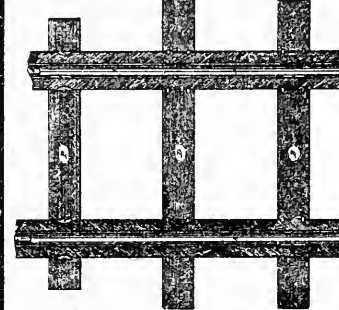
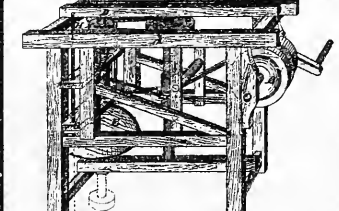
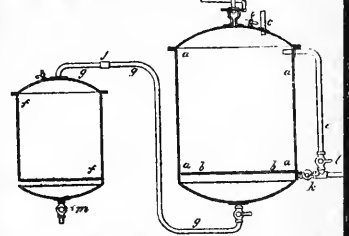
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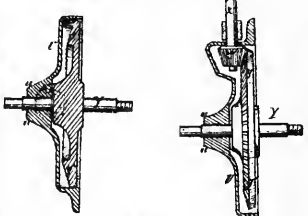
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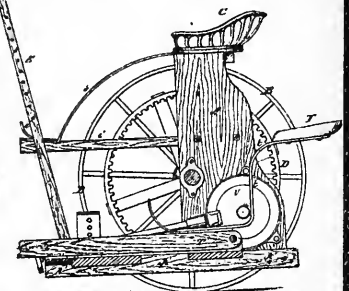
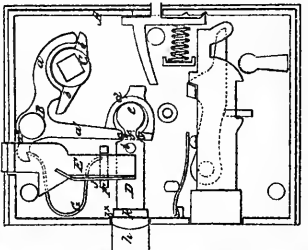
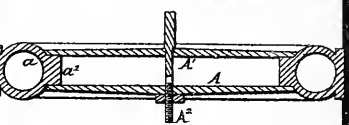
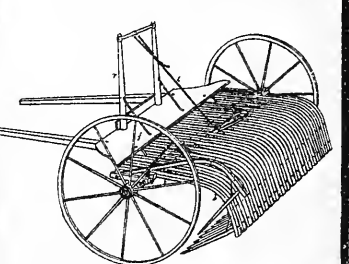
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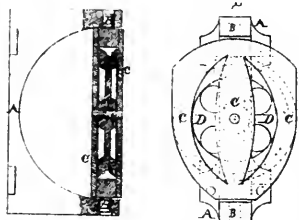
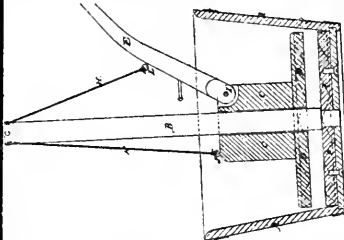
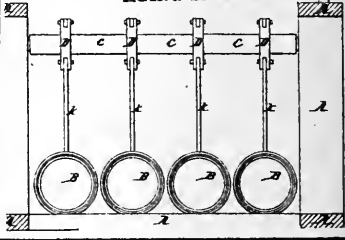
4,126. H. H. ELWELL.  
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## ILLUSTRATIONS OF PATENTS

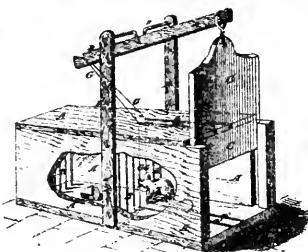
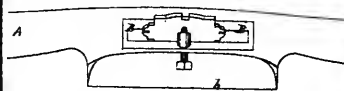
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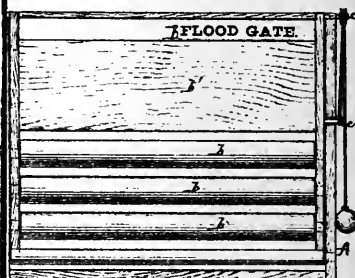
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107,646. E. S. AXTELL.  
PULLEY FOR GATES.107,652 J. T. BEVER  
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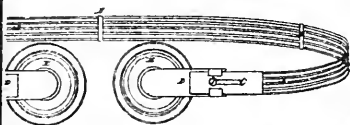
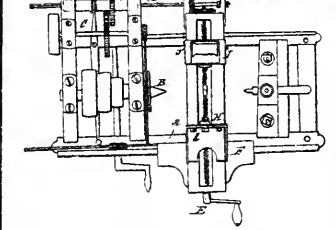
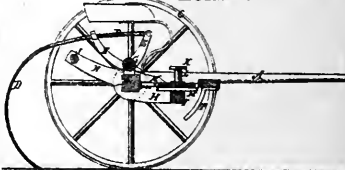
107,647. W. K. BACHMAN. MOUSE TRAP.

107,653. C. E. BOYNTON.  
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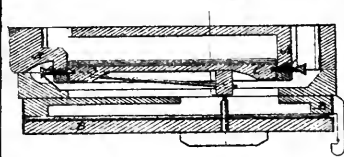
107,648. W. BAKER. TRUSS.

107,654 L. H. BRIDGEMAN. MACHINE  
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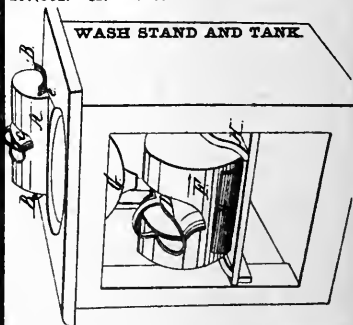
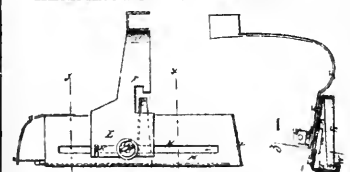
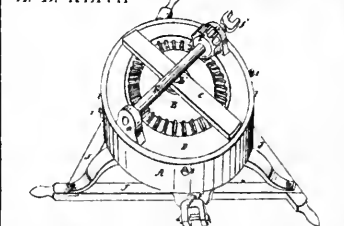
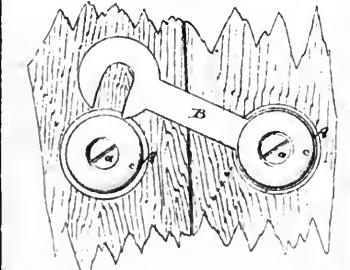
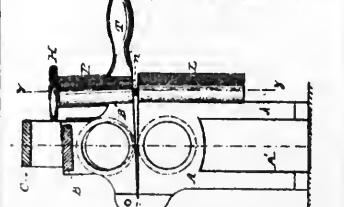
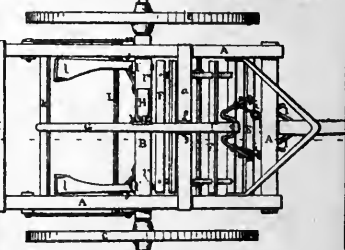
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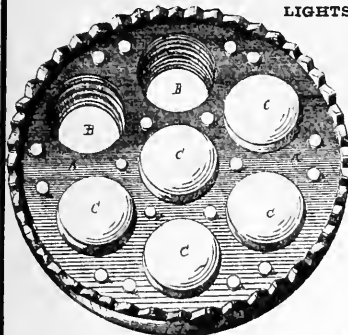
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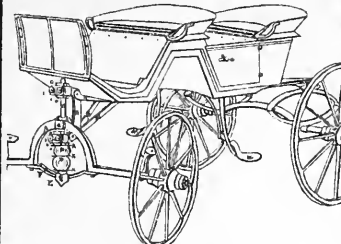
107,661. H. W. CATLIN.

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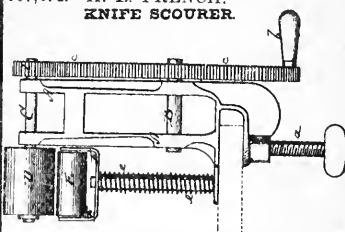
107,663. Z. COBB. MODE OF  
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107,665C. CUSTER CARRIAGE GEARING



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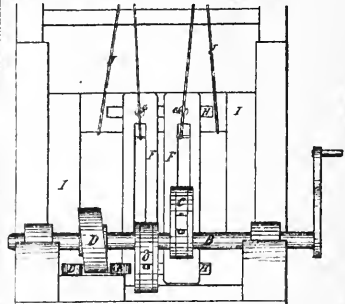


107,669. C. DANN JOINTED OAR.



107,675. J. E. FRENCH AND

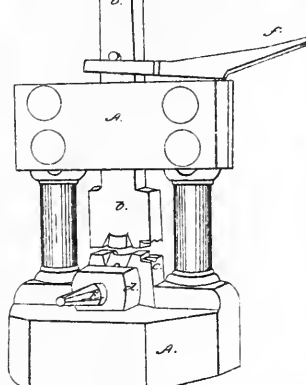
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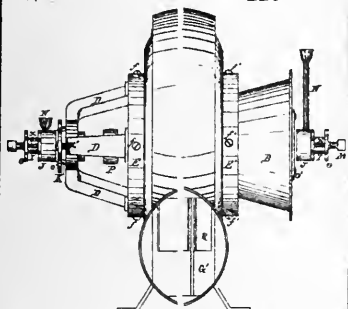
107,664B. CODDINGTON TIN ROOFING.



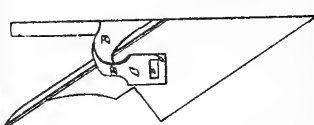
107,670. N. DEXTER. MACHINE FOR  
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107,665. W. S. COLWELL. BLOWER.

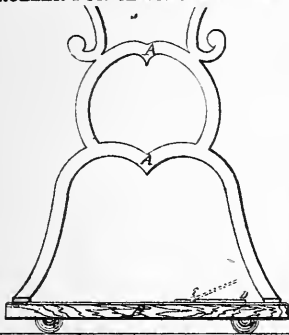


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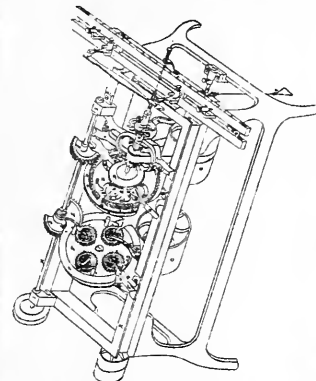


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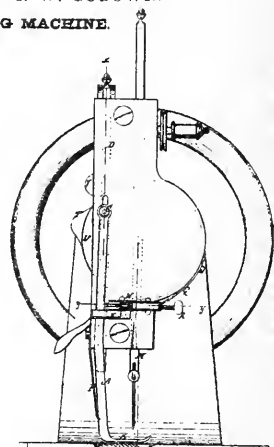
ROLLER FOR SEWING MACHINES.



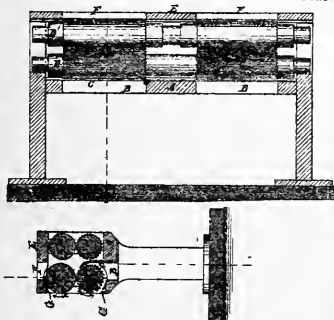
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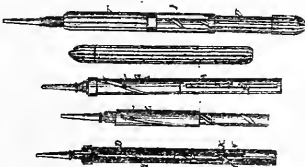
107,677. C. W. GODOWN.  
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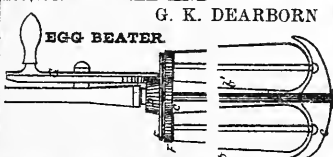
107,667. L. CRAWFORD.  
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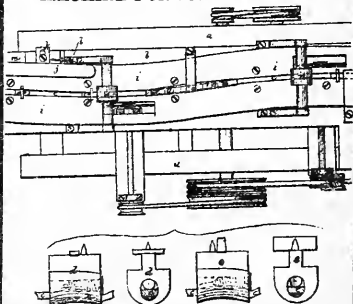
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107,673. T. EARLE AND  
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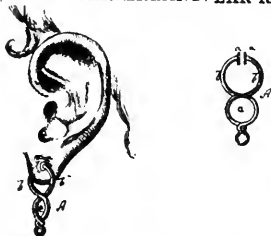
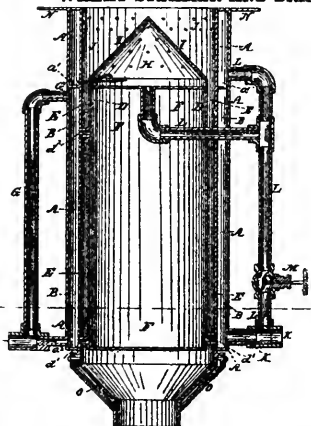
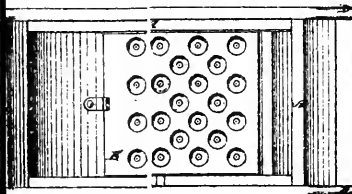


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MACHINE FOR JOINTING STAVES.

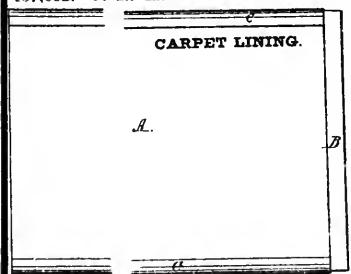




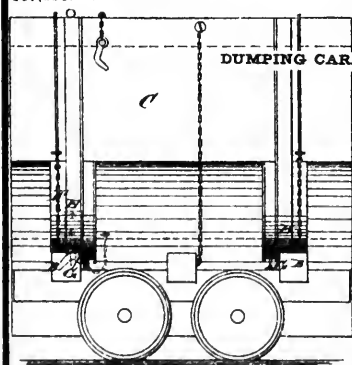
107,679. G. HABERLAND. EAR RING.

107,690. C. T. HANNA  
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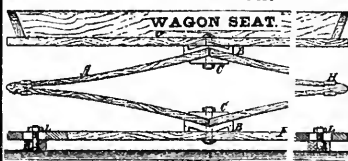
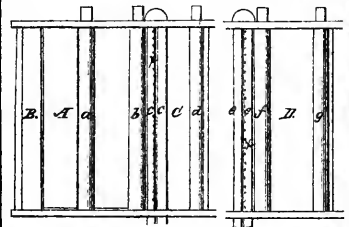
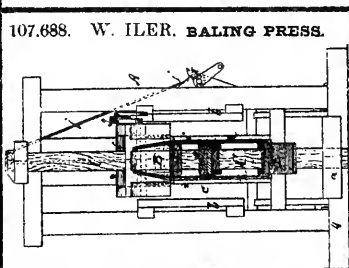
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107,683. E. C. HEGELER.



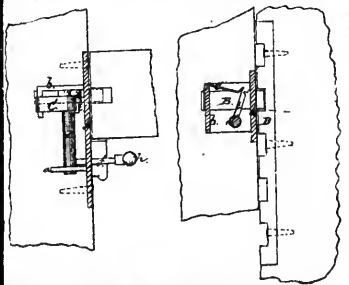
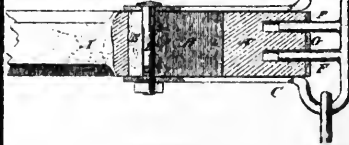
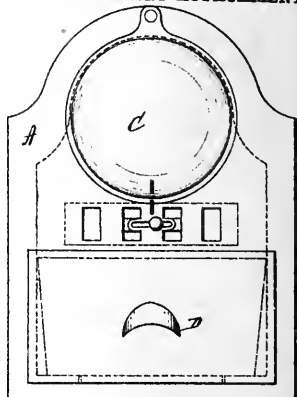
107,684. C. F. HOLLENBECK.

107,685. F. H. HOLTON.  
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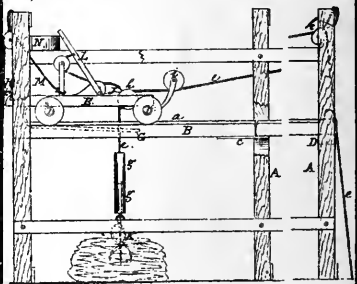
107,688. W. ILER. BALING PRESS.

107,689. G. JAUQUES.  
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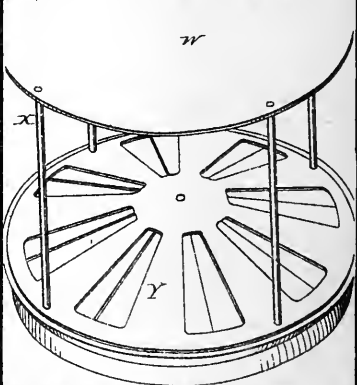
107,691. W. F. KELLS. SASH HOLDER

107,692. G. W. KIDWELL.  
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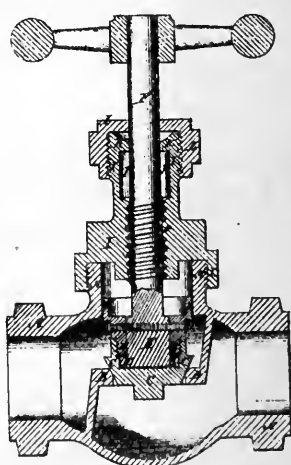
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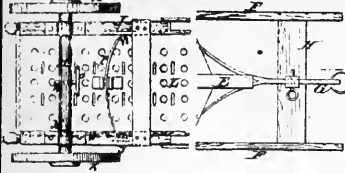
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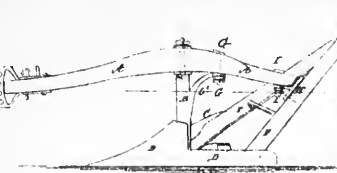
107,697. J. C. MACDONALD. VALVE COCK



107,698 G. M. MARKS. POTATO DIGGER.

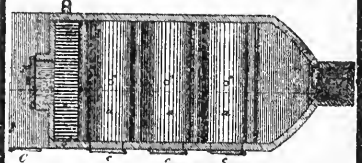


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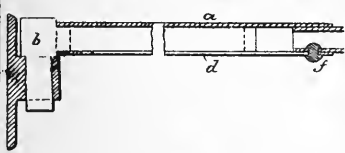


107,711 A. OTT TREATING TIN SCRAP FOR THE MANUFACTURE OF STANNATE OF POTASH, &amp;c.

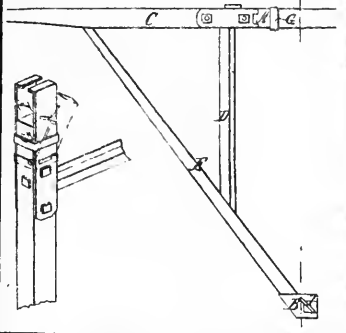
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107,699. R. MARSH. LAMP BRACKET.

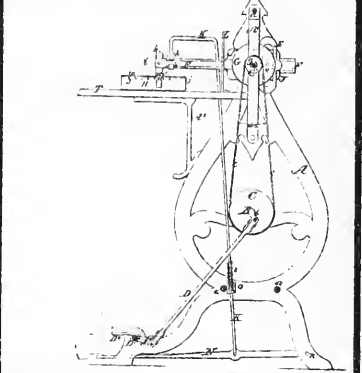


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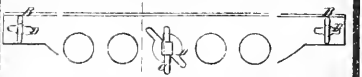


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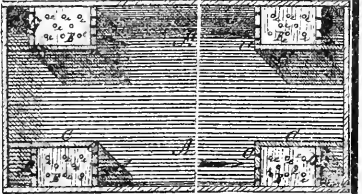
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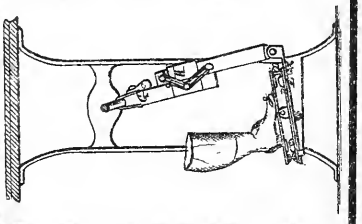
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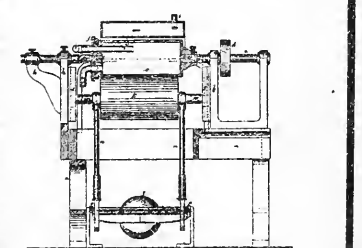
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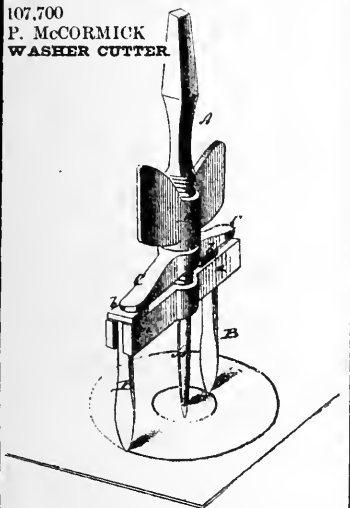
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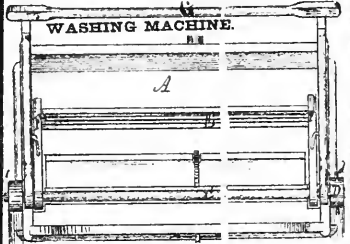
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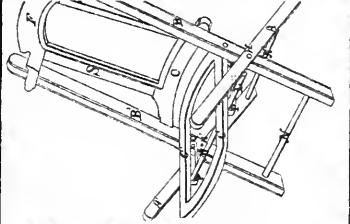
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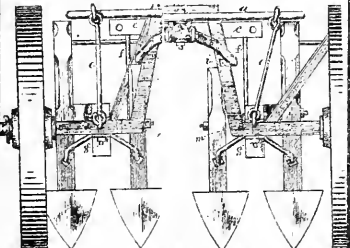
107,707. A. MUTERSBAUGH.



107,708. J. NICOLAI. FOLDING CHAIR.

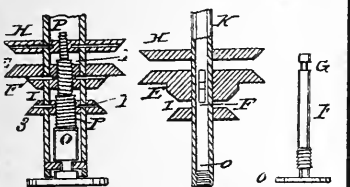


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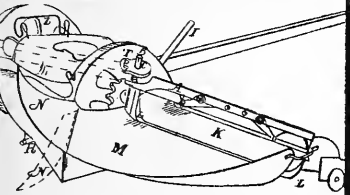


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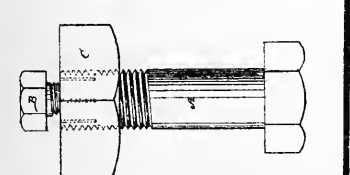
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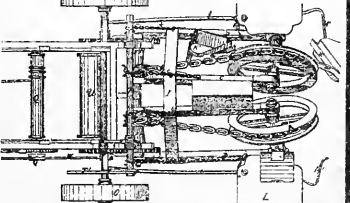
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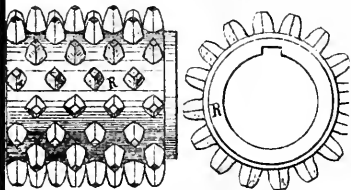


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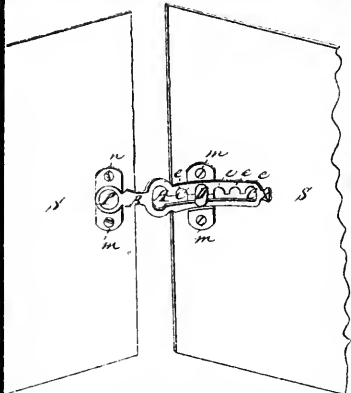


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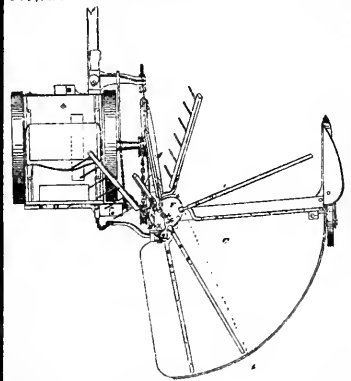
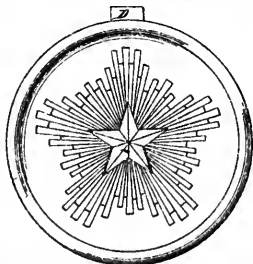
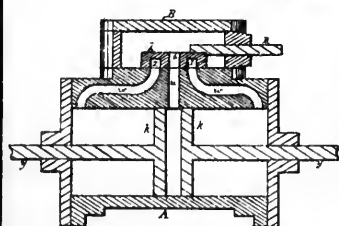
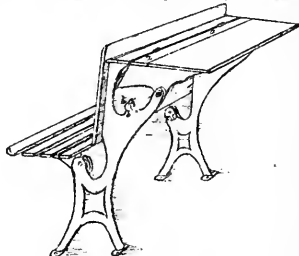


107,719. T. C. PURINGTON.  
STEERING APPARATUS.

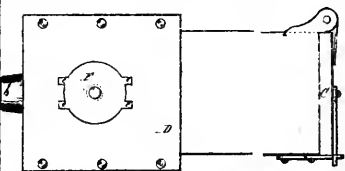
107,720. J. PUSEY. SHUTTER FASTENING.



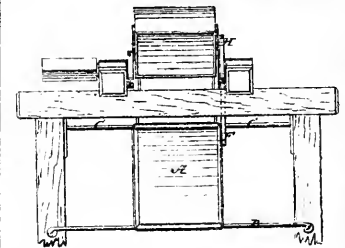
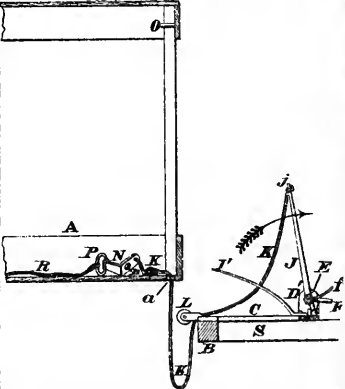
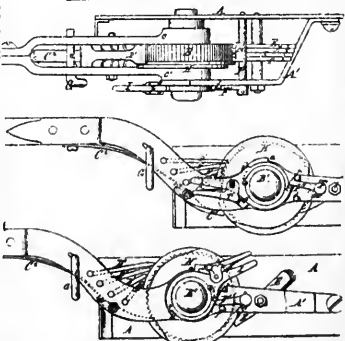
107,721. A. RANK. HARVESTER RAKE.

107,722. J. A. READ.  
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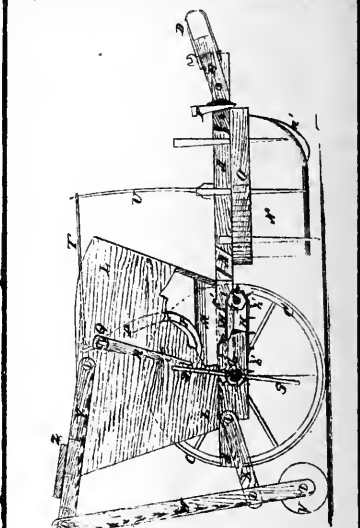
107,725. J. ROGERS. TUYERE.



107,726. T. H. RUDIGER. ELEVATOR.

107,727. A. SCHMITT.  
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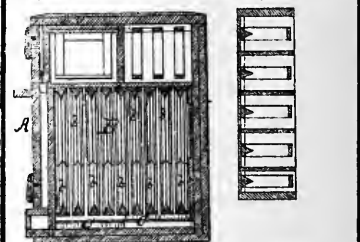
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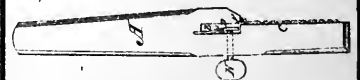
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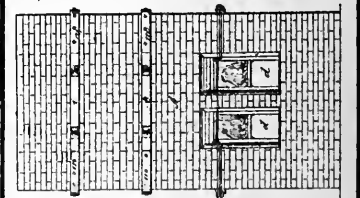
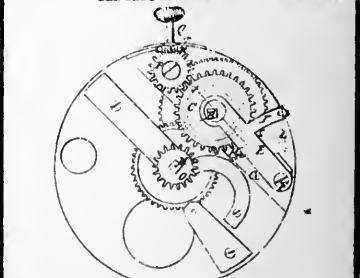
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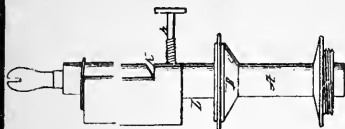
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107,734. W. SPEARS.  
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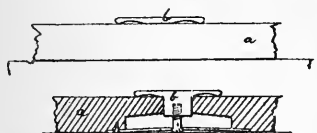
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107,736. F. R. THEURER.  
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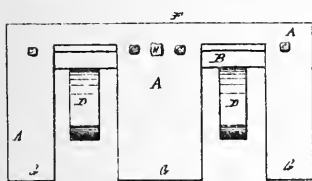
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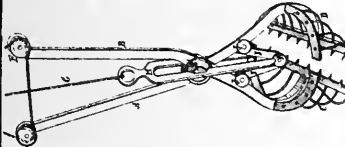
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107,739 E. VON JEINSEN LUBRICATOR

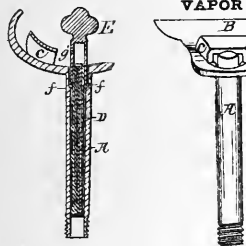


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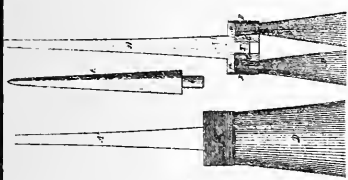


107,741 H. WELLINGTON

VAPOR BURNER

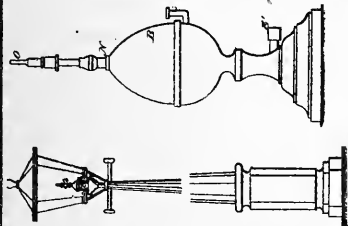


107,742 J. L. WHITING. BRUSH.



107,743 S. WHITNEY.

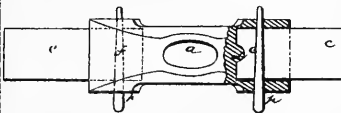
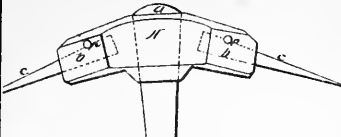
GAS CARBONIZING ATTACHMENT FOR STREET AND OTHER LIGHTS.



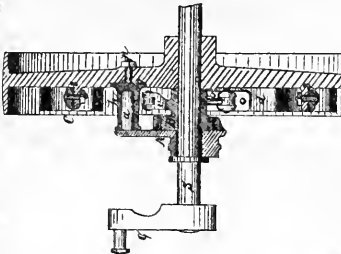
107,744 W. A. WICKS. FASTENING FOR NECKTIES.



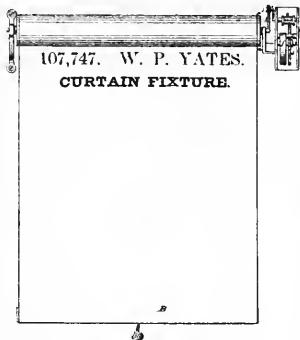
107,745 S. G. WILLIAMS MILL PICK.



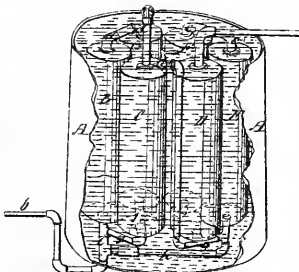
107,746 D. A. WOODBURY AUTOMATIC CUT-OFF FOR STEAM ENGINES



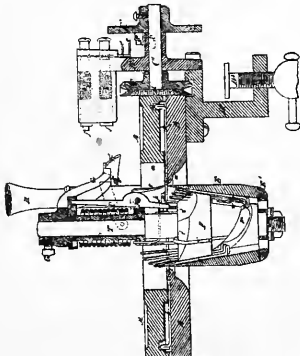
107,747 W. P. YATES. CURTAIN FIXTURE.



107,748 H. ANDERSON STEAM ENGINE CONDENSER.

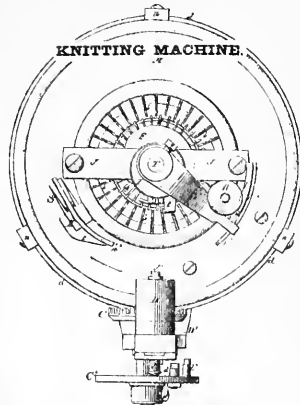


107,749 C. J. APPLETON KNIT FABRIC.

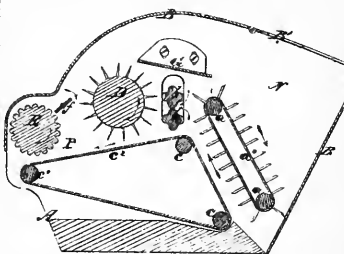


107,750 C. J. APPLETON.

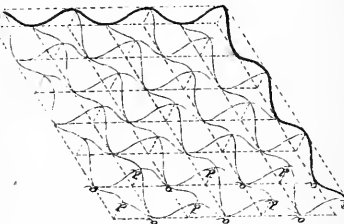
KNITTING MACHINE.



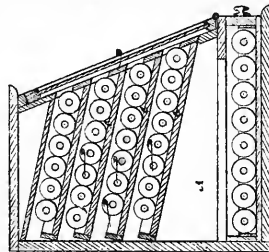
107,751 J. W. BARBOUR FEEDING DEVICE FOR CARDING MACHINES



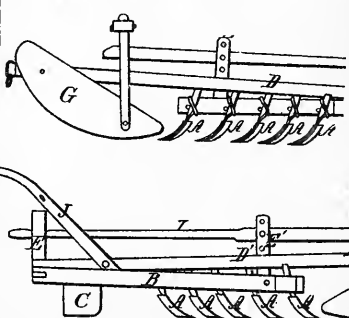
107,752 S. BARKER AND H. S. PRATT ROLLED SHEET IRON.

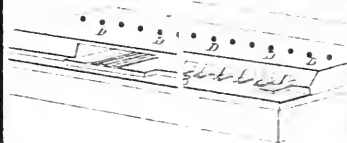


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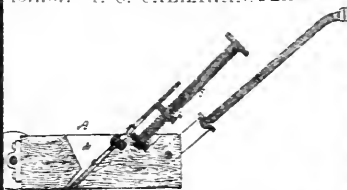
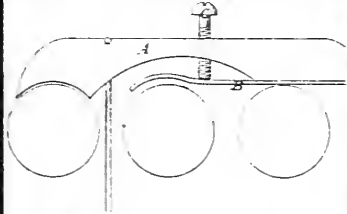


107,754 V. BOLIS CULTIVATOR PLOW.

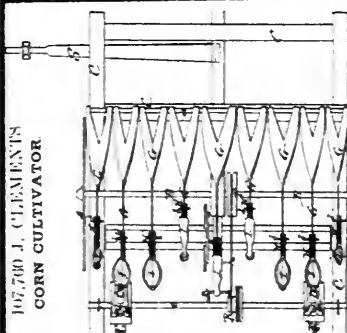
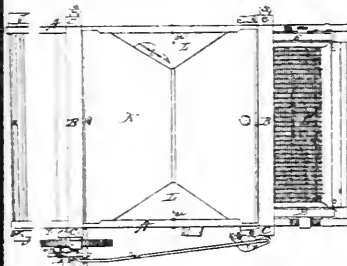
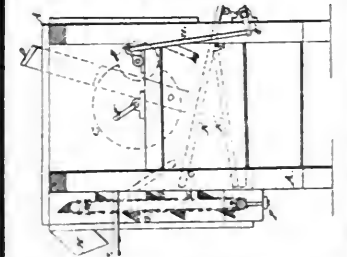
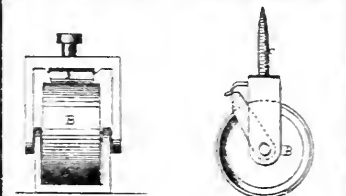


107,755. R. BURDETT.  
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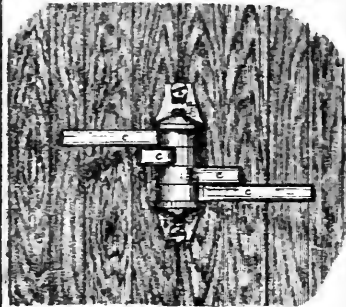
107,757. T. O. CALLAHAN. PLANE.

107,758. J. S. CASEY.  
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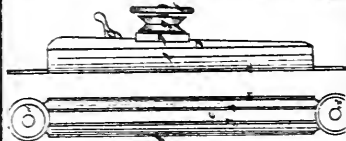
107,759. G. E. CLARKE FANNING MILL

107,761. G. S. COLEMAN  
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STOP FOR CASTERS FOR STOVE LEGS

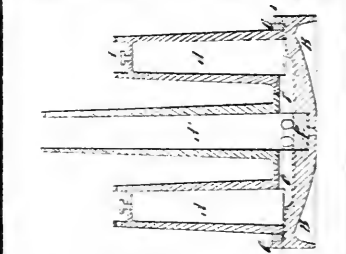
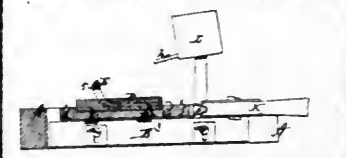
107,763. L. CUTTING CLOTHES DRIER



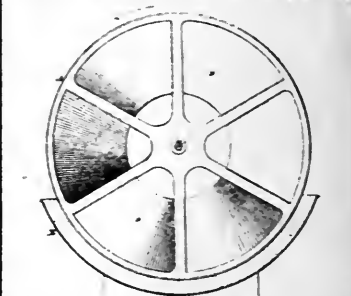
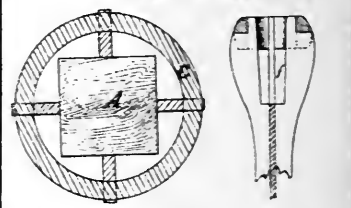
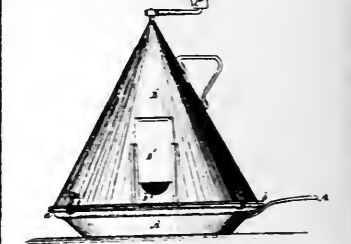
107,764. J. DOYLE CURTAIN FIXTURE

107,765. P. N. DRAKE AND  
D. DRUMMOND. SPLINT PLANE.

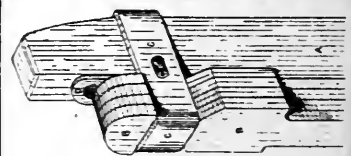
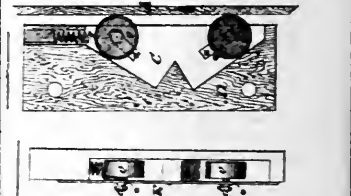
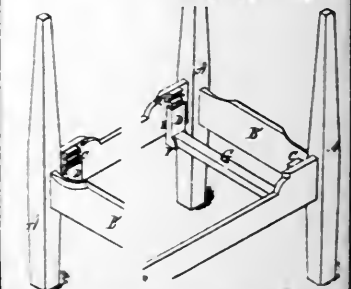
107,766. Z. S. DURFEE. INGOT MOLD

107,767. H. A. EVERTS  
REMOVABLE SHOE LINING107,768. U. FARIS AND A. MILLER  
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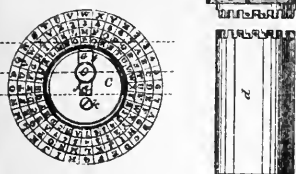
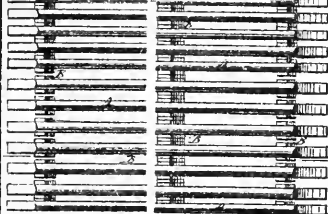
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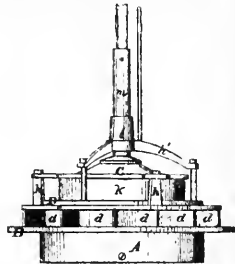
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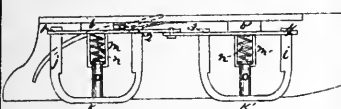
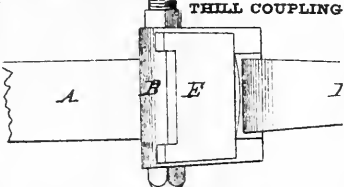


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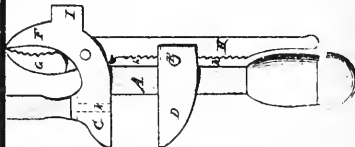
107,789. D. LANE. WATER WHEEL.



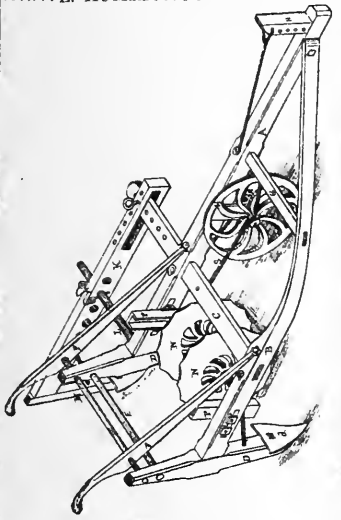
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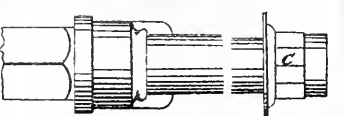
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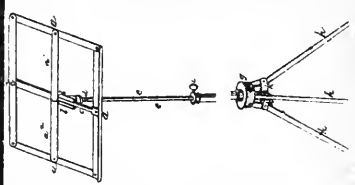
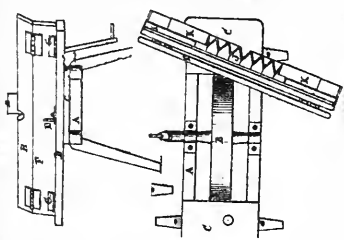
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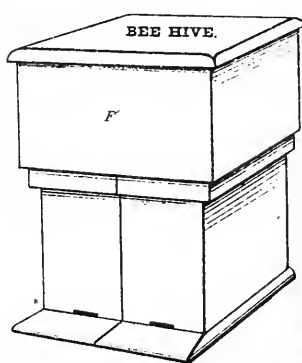
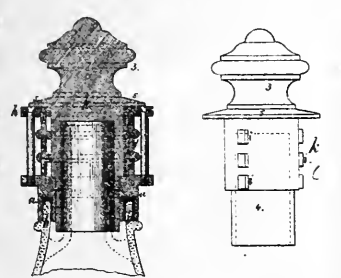
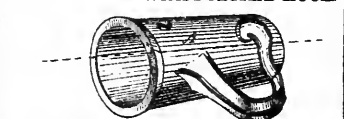
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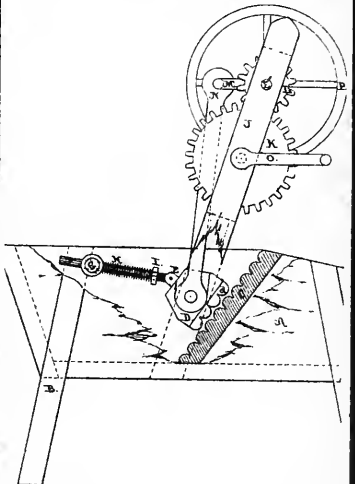
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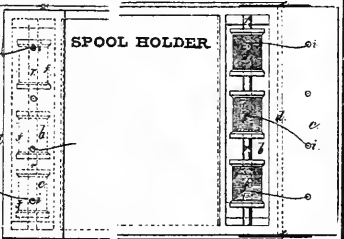
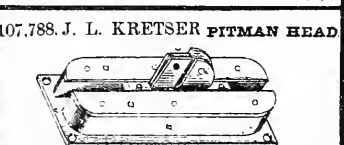
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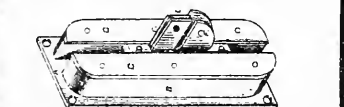
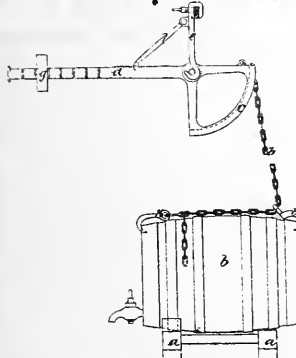
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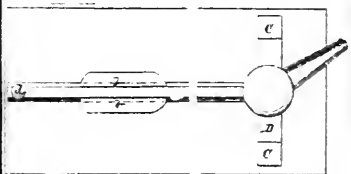


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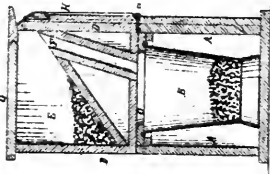
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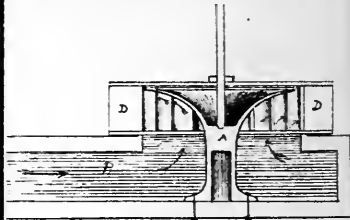
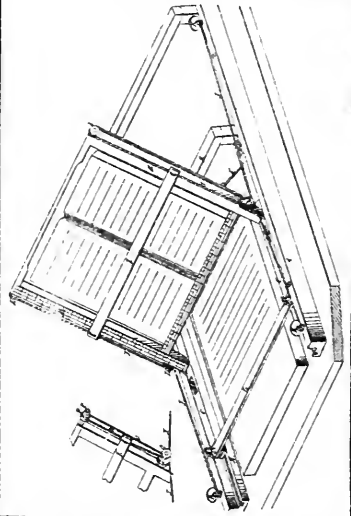
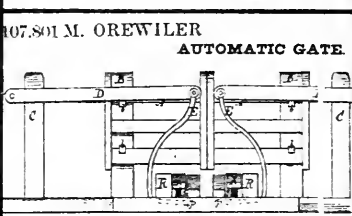
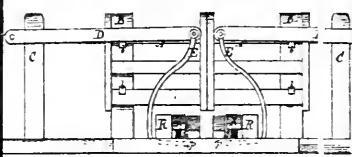
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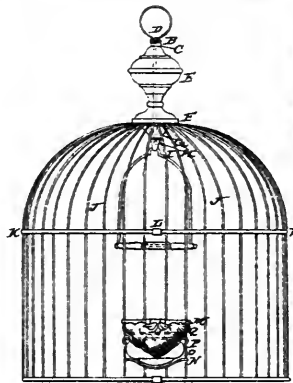
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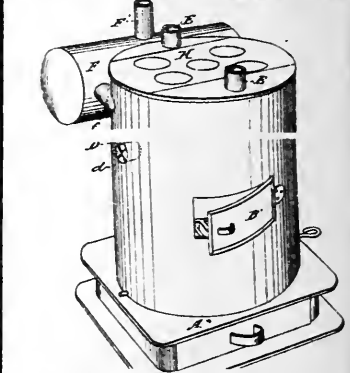
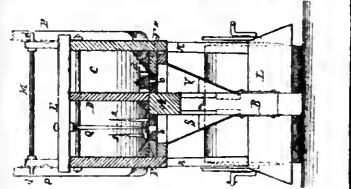
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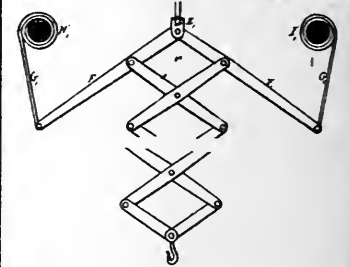
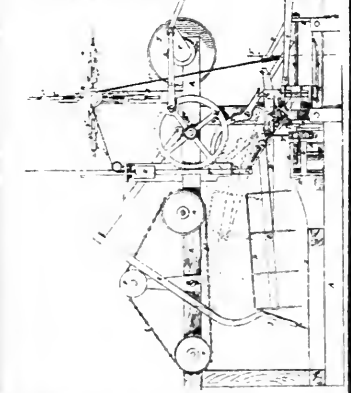
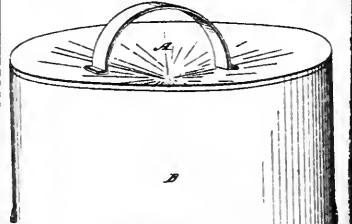
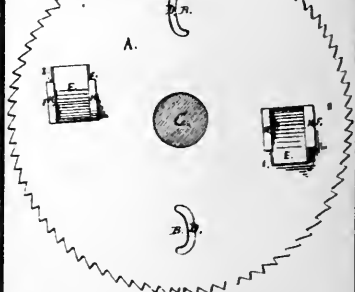
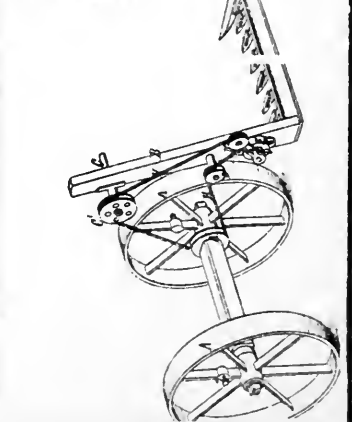
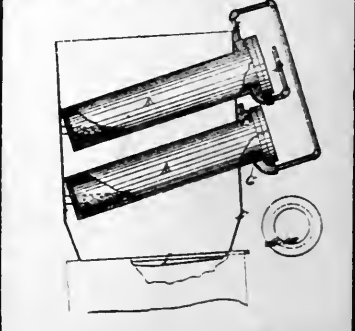
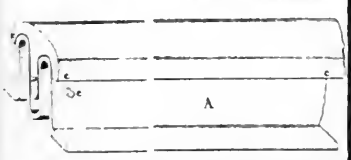
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107,806. N. PARRISH HEATING STOVE.

107,796. D. McKELLAR.  
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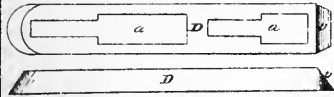
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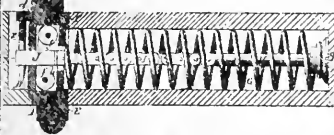
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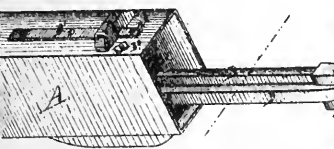
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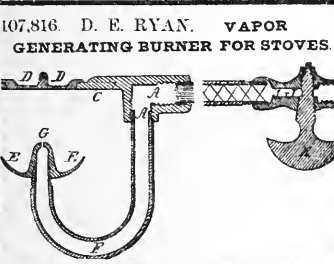
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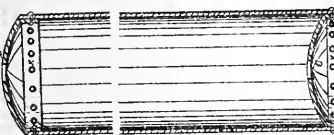
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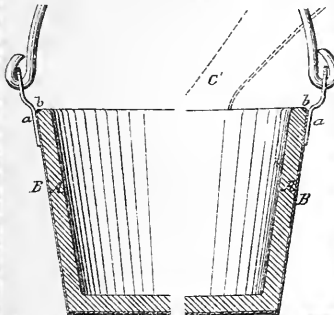
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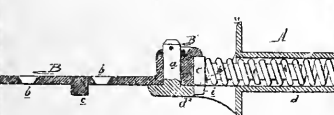
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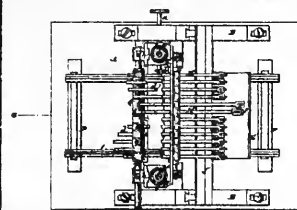
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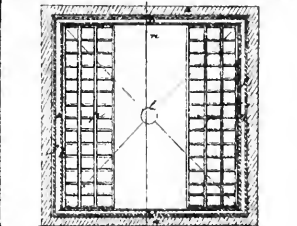
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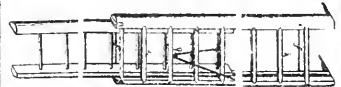
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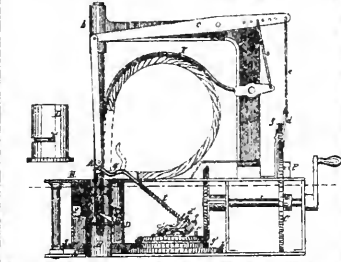
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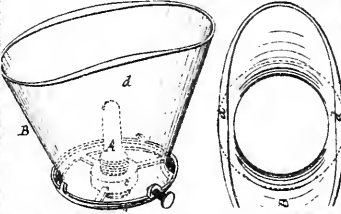
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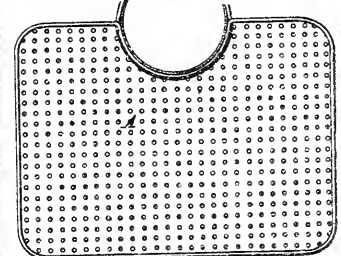
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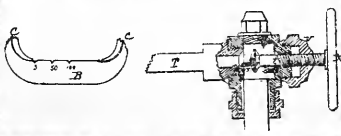
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107,825. J. H. SHAUT  
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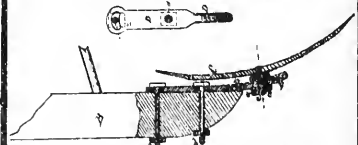
107,826. L. F. SMITH. LUBRICATOR.



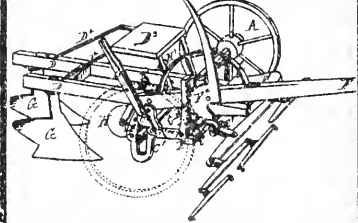
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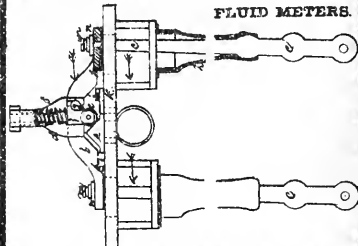
107,828. C. SNYDER. PLOW.



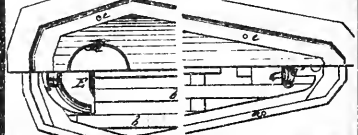
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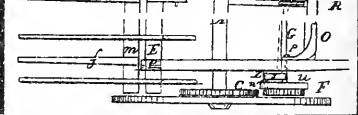
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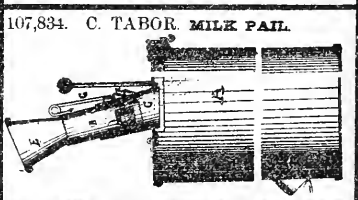
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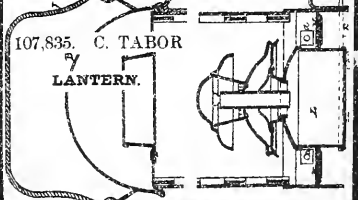
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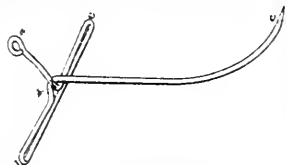
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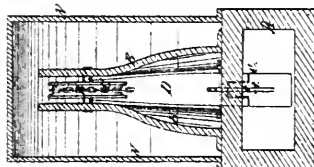
107,835. C. TABOR  
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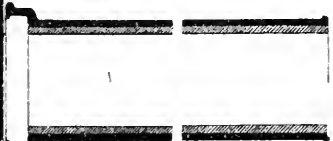
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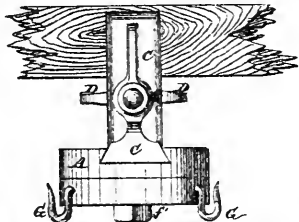
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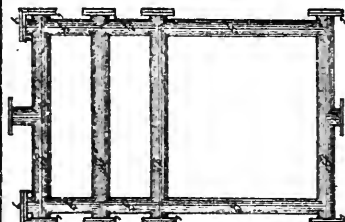
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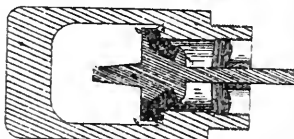
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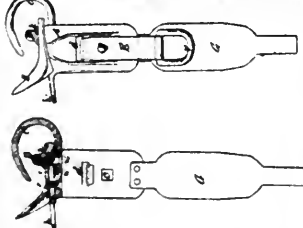
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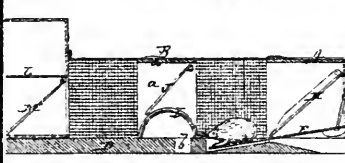
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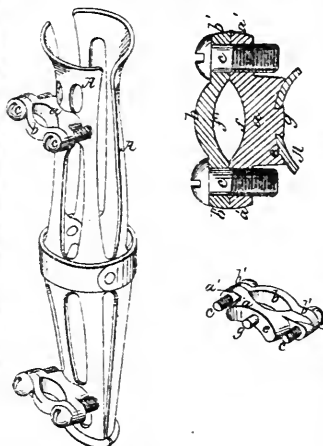
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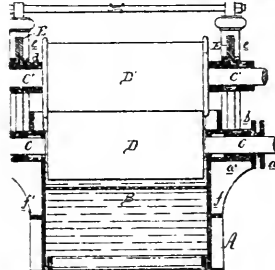
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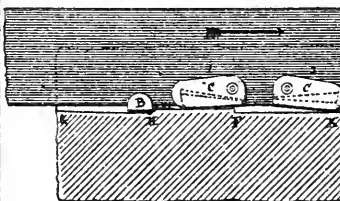
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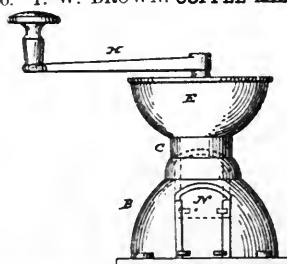
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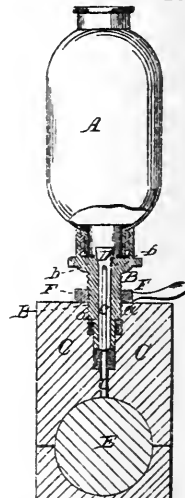
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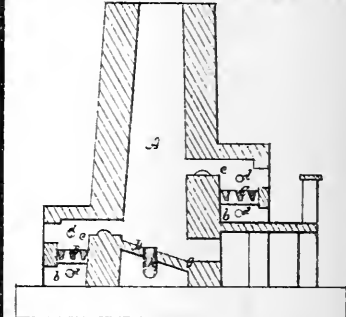
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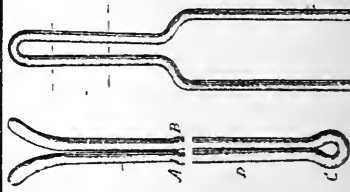
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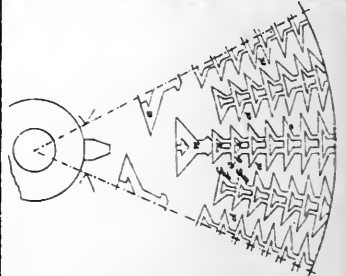


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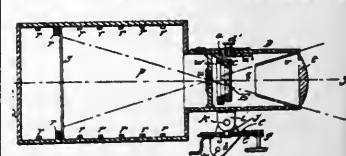


4,134. J. RILEY AND C. W. BISSELL. COMPOSITION FOR COVERING STEAM BOILERS, STEAM PIPES, &amp;c.

4,135. J. SEDGEBEER. MILLSTONE DRESS.



4,136. W. H. MASTERS. SOLAR CAMERA.



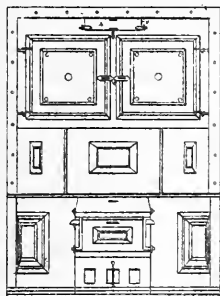
## ILLUSTRATIONS OF PATENTS

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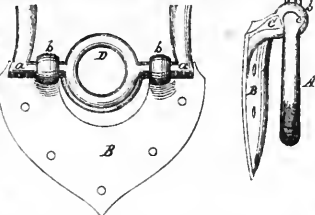
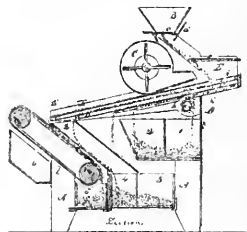
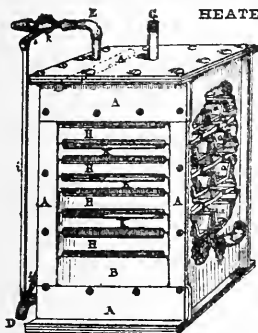
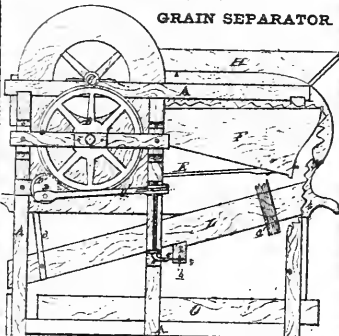
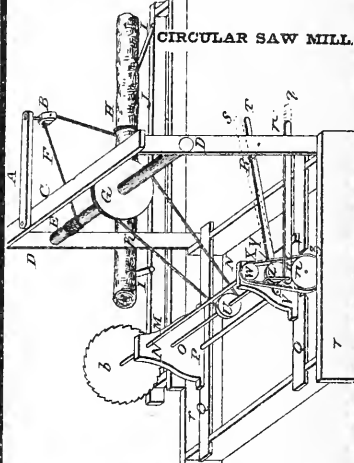
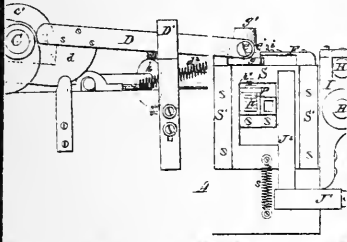
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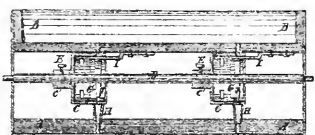
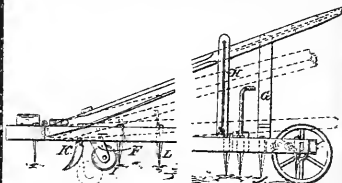
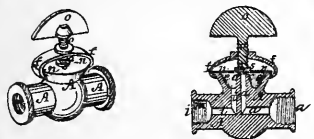
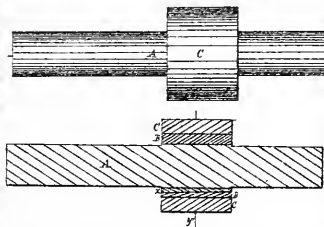
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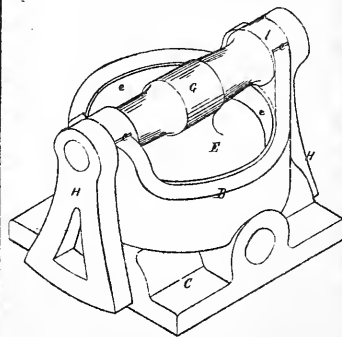
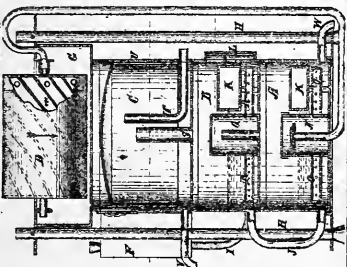
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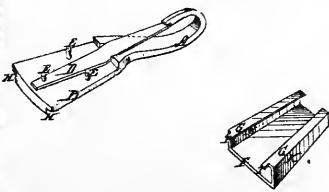
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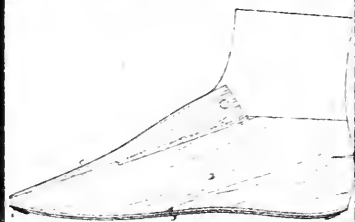
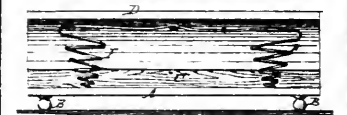
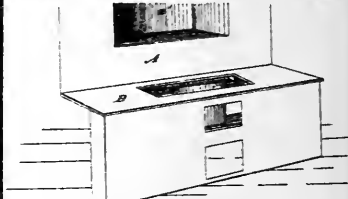
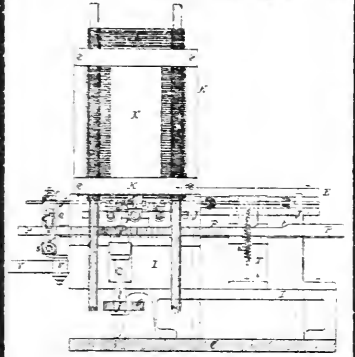
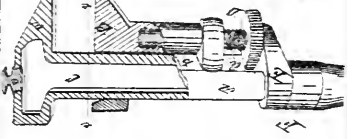
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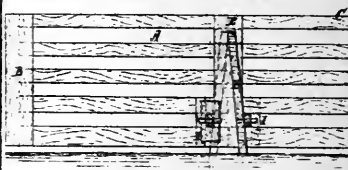
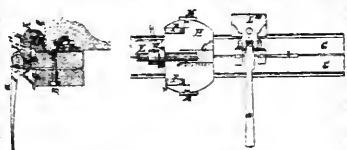
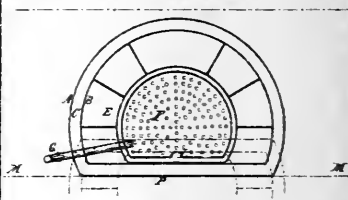
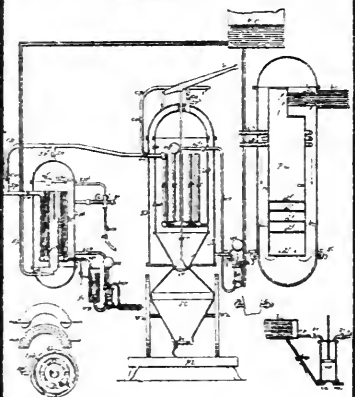
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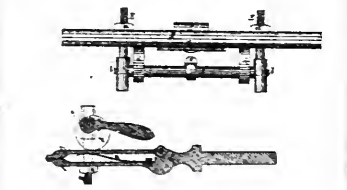


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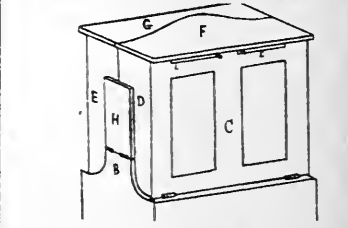
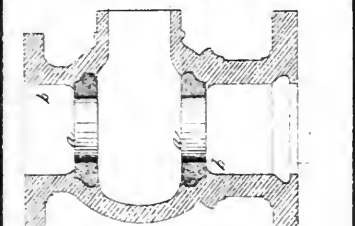
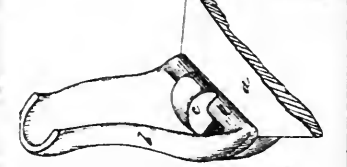
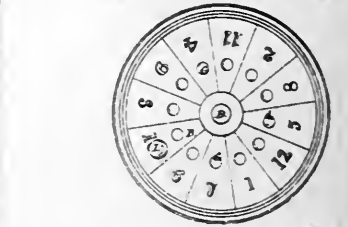
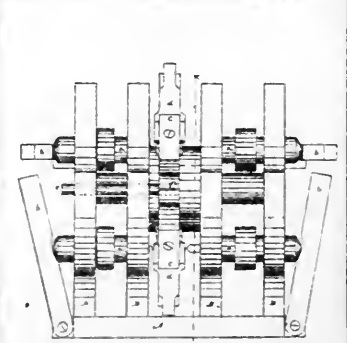
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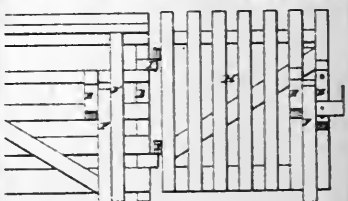
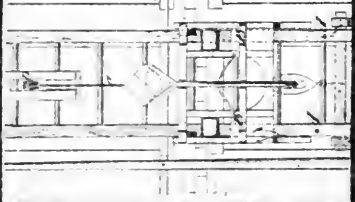
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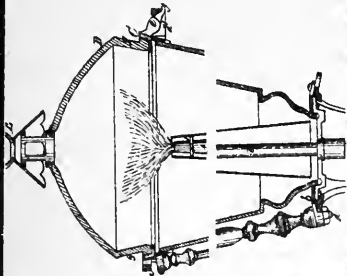
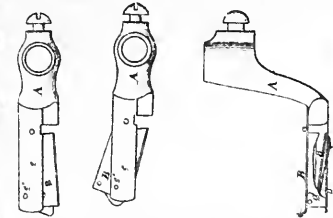
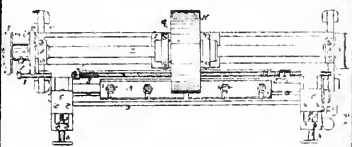
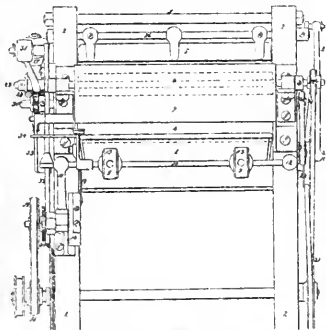
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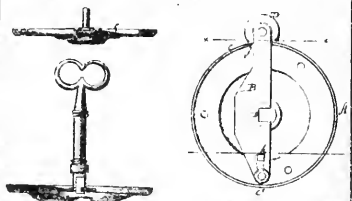
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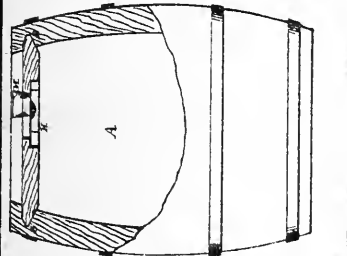
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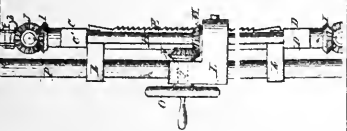
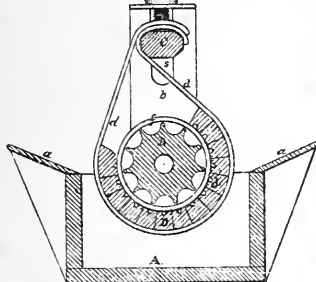
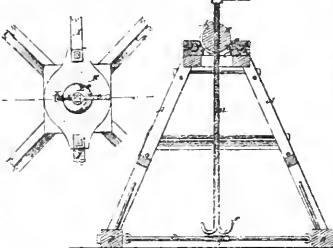
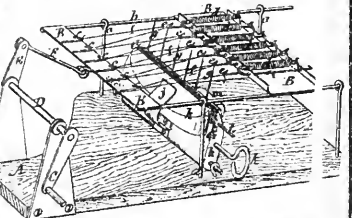
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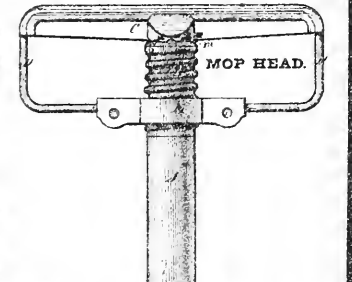
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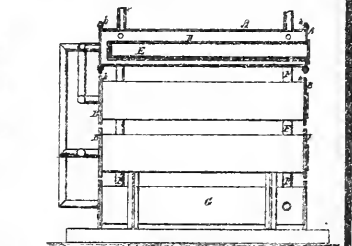
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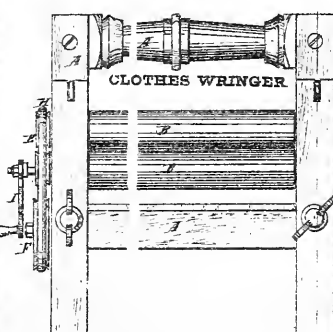
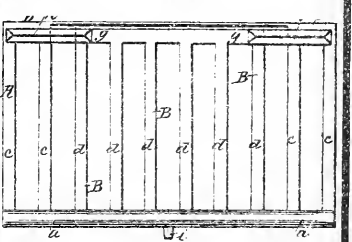
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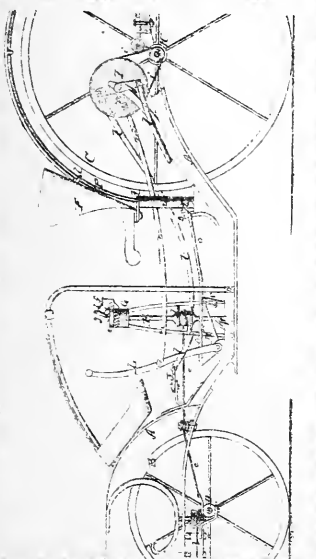
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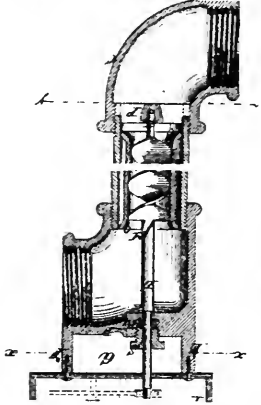
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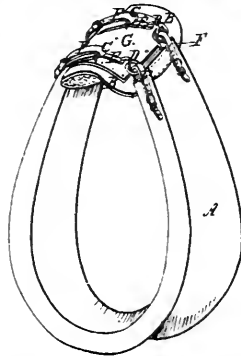
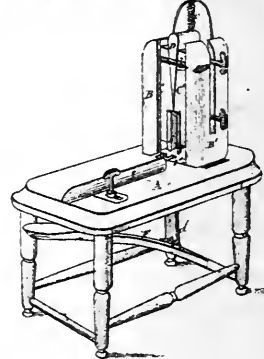
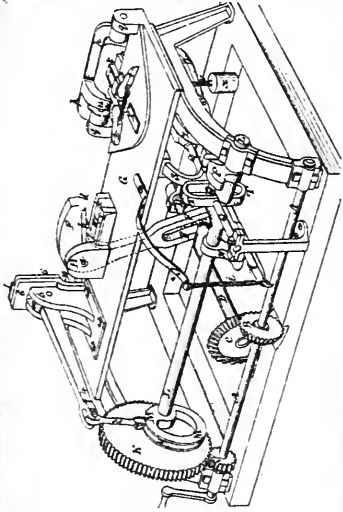
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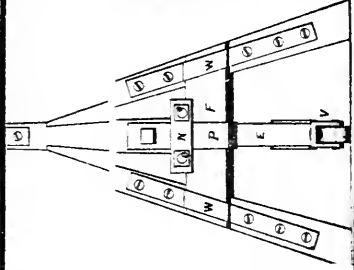
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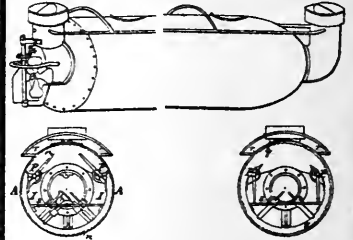
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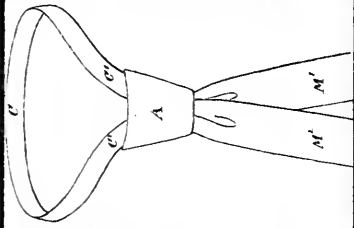
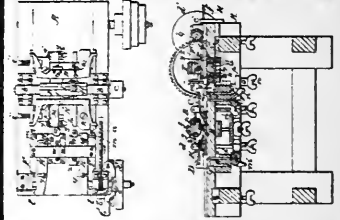
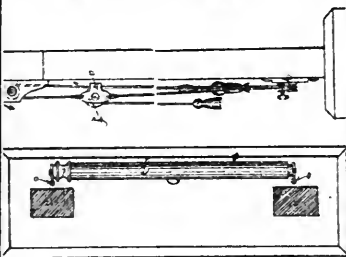
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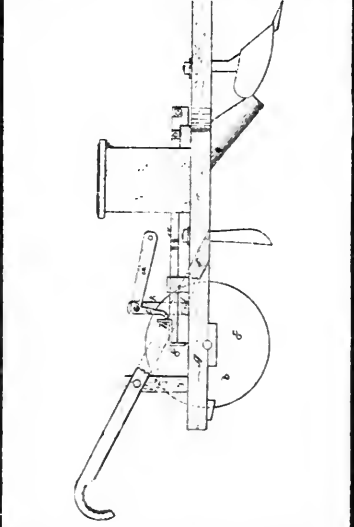
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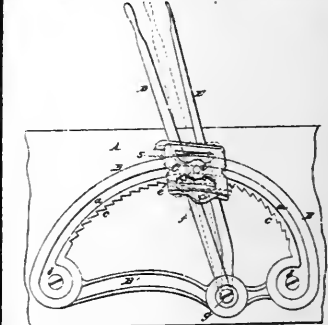
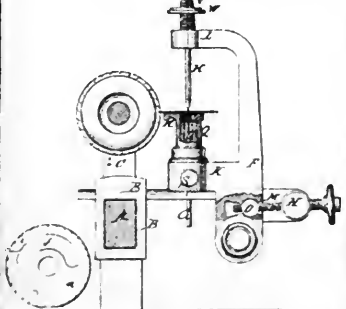
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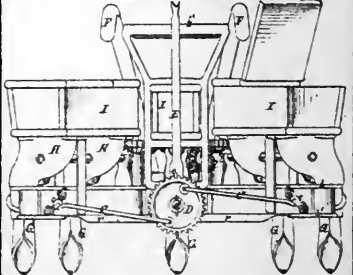
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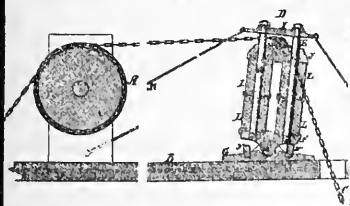
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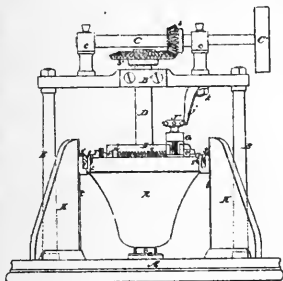
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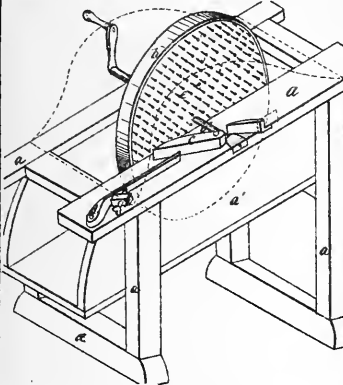
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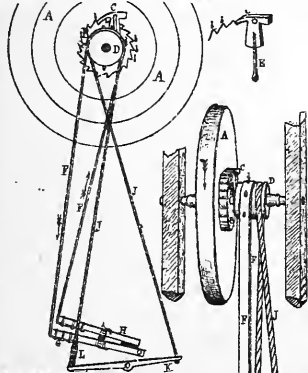
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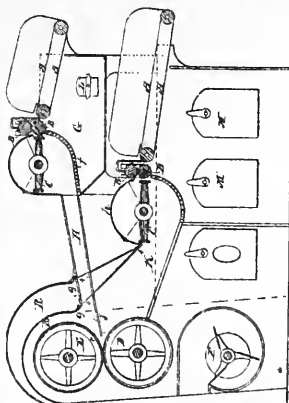
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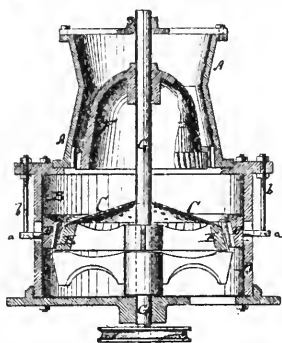
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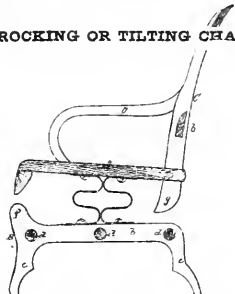


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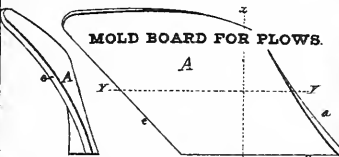
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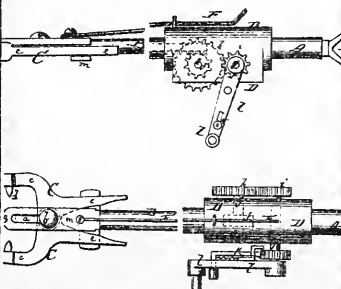


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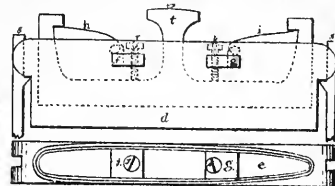
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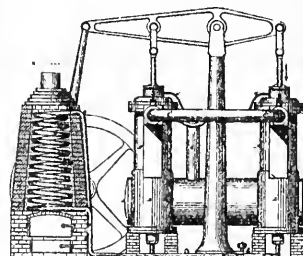
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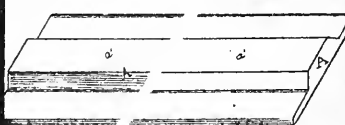
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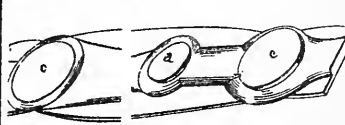
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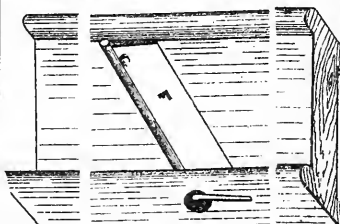
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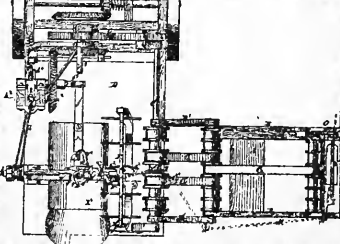


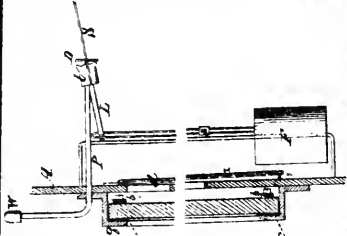
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MEAT AND VEGETABLE SLICER.



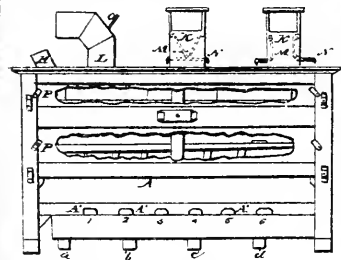
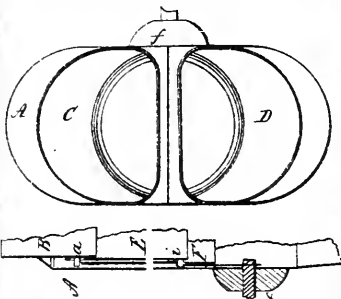
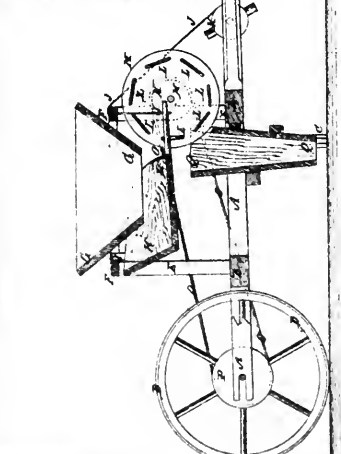
107,933. W. LOTTRIDGE

GRAIN BINDER

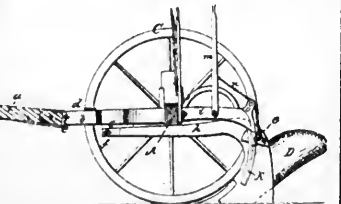


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WATER INDICATOR AND ALARM.

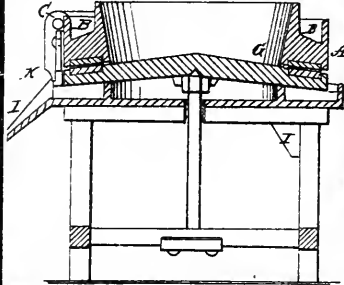
107,935. J. MALLIN. FLOUR BOLT.

107,936. J. R. MANN.  
WATER CUT-OFF FOR CISTERNS.107,937. W. E. MARTIN.  
GUANO DISTRIBUTER.

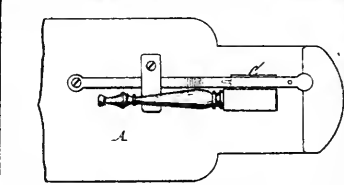
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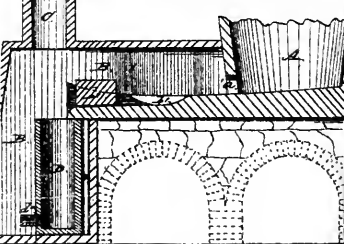
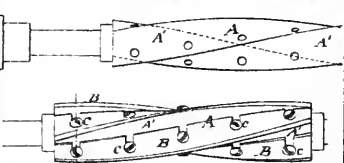
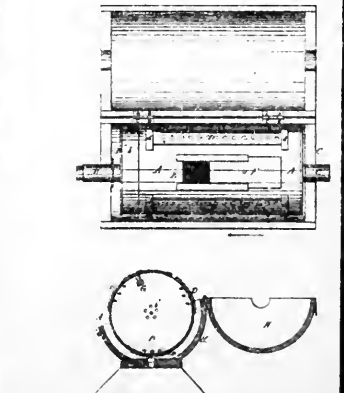
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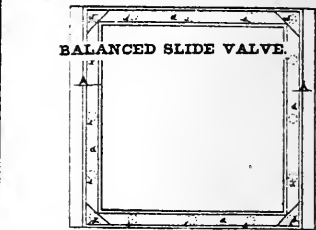
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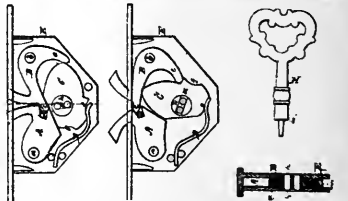
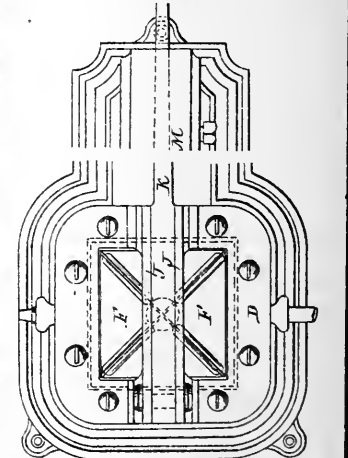
107,941 W. T. MERSEREAU STAIR ROD.

107,942. J. W. MIDDLETON  
MANUFACTURE OF PURIFIED  
CAST IRON FROM THE ORE.107,943. J. MORE.  
CUTTER HEAD FOR PLANERS.107,944. M. K. MORRIS.  
FEATHER RENOVATOR.

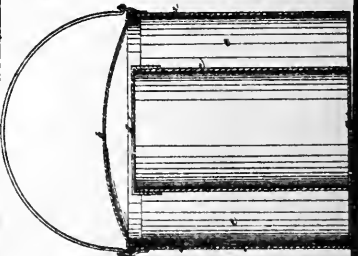
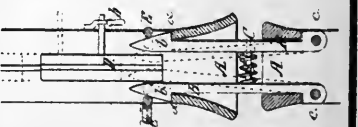
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107,946. F. MURGATROYD.  
EXPANDING TAP.

107,947. J. MURPHY. PIANO LOCK.

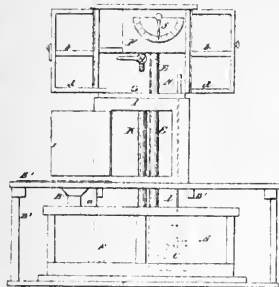
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DAMPER REGULATOR.

107,949. G. A. NASH. ICE CREAM PAIL.

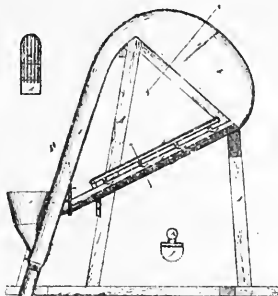
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RAILWAY CAR COUPLING.



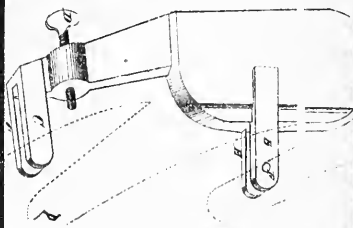
107,951. P. NOYES, APPARATUS FOR DRAWING AND MEASURING OIL.



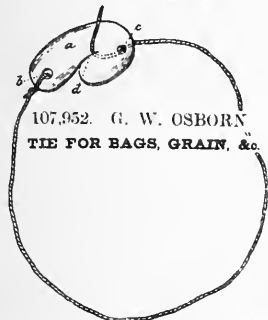
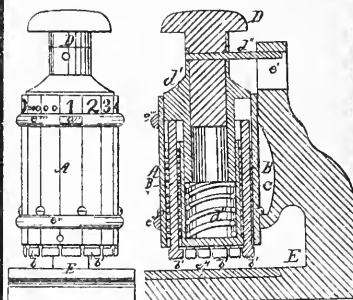
107,957. E. PLATT APPARATUS FOR WASHING ORES AND MINERALS.



107,963. W. H. RUDOLPH DEVICE FOR SPREADING CIRCULAR SAW TEETH.

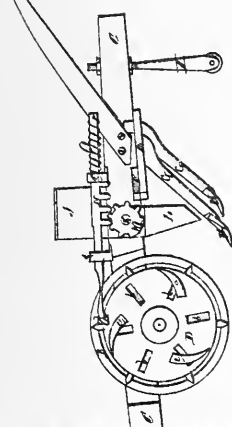
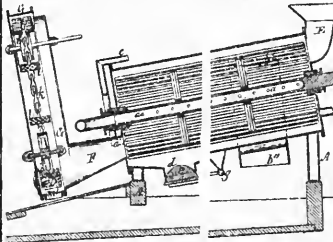
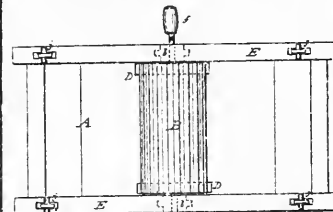
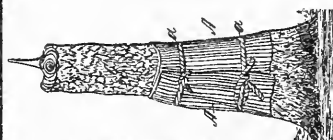
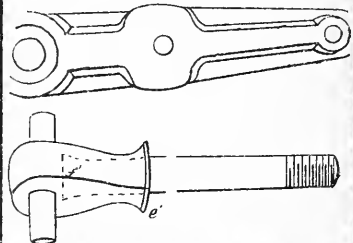
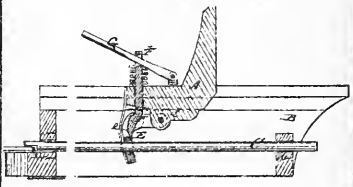
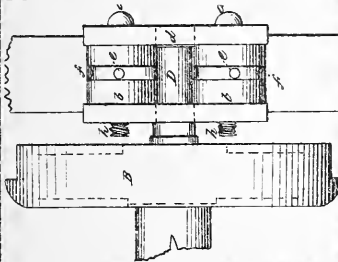


107,964. H. W. SAFFORD HAND STAMP

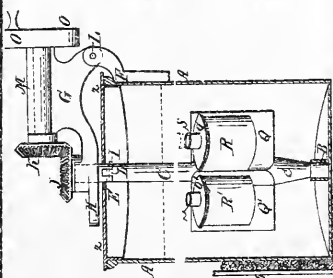
107,952. G. W. OSBORN  
TIE FOR BAGS, GRAIN, &c.

107,953. J. S. PARSONS. WIRE.

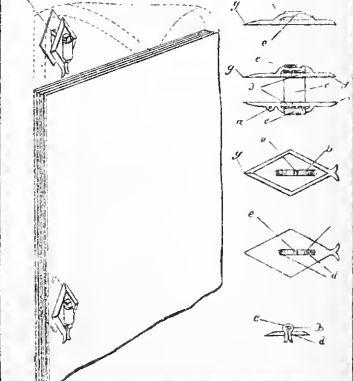
107,954. H. N. PEASE. CULTIVATOR

107,958. J. B. PLATT.  
MACHINE FOR WASHING ORES AND  
OTHER MINERAL SUBSTANCES.107,959. C. M. POWERS AND  
T. L. ROBINSON. WASHING MACHINE.107,960. D. R. PRINDLE.  
TREE AND PLANT PROTECTOR.107,965. S. SELDEN AND M. GRISWOLD.  
LINK CONNECTING THE HANDLES AND  
VALVE RODS OF PUMPS107,966. F. W. SHELLEY.  
HEAD BLOCK FOR SAW MILLS.107,955. J. PENCILLE. FRICTION  
ROLLER FOR RAILWAY CARTRUCKS.

107,961. P. RIDERBULL OF VESSELS.

107,962. M. ROSENSTEIN  
MANUFACTURE OF ICE.

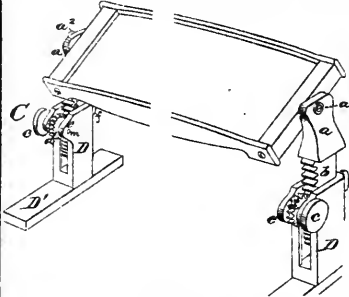
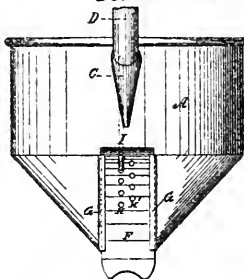
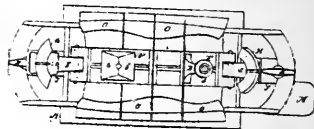
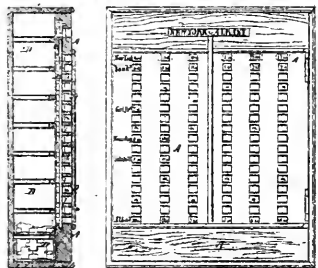
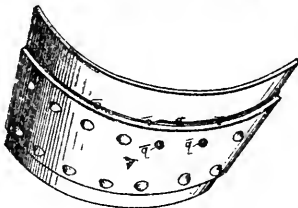
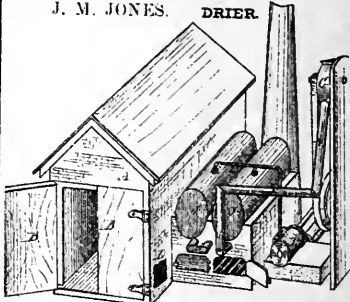
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107,968. F. M. SMITH.  
TEMPORARY PAPER BINDER.

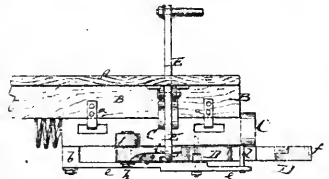
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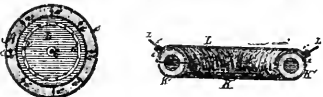
107,969 J. H. SMITH READING GLASS

107,975. E. R. STEDMAN  
GUANO DISTRIBUTER.107,981. C. H. TRASK  
MACHINE FOR LASTING SHOES.107,970. L. J. SMITH  
ADJUSTABLE TIME TABLE.107,976. H. J. STEIN CONSTRUCTION  
OF STEAM BOILERS AND TANKS.107,982. E. TROWBRIDGE AND  
J. M. JONES. DRIER.

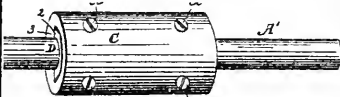
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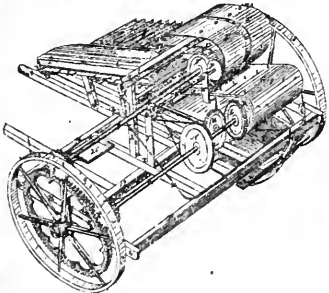
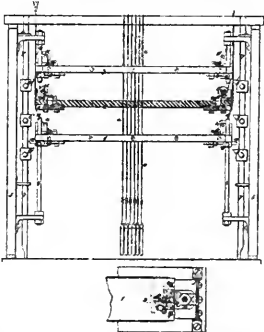
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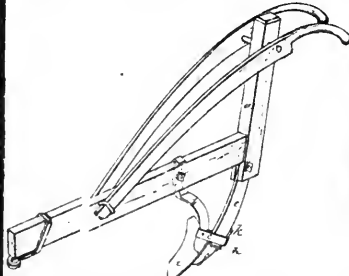
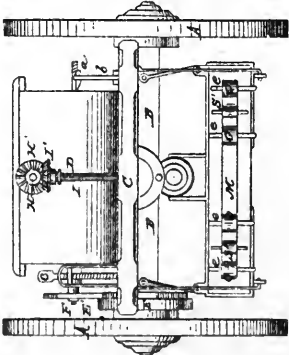
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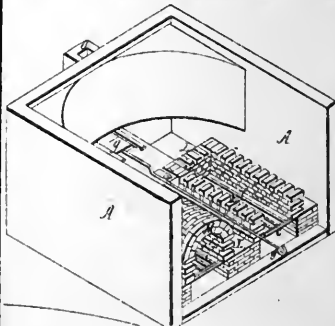
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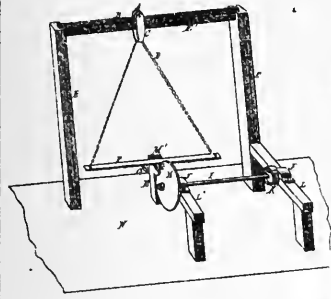
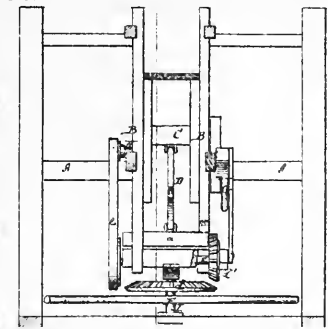
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FOR OPERATING COMBER BOARDS.

107,973. C. W. SNEAD. FLOW.

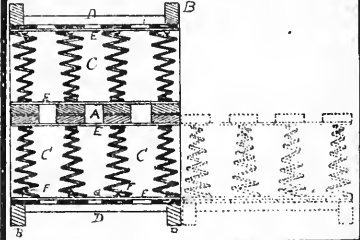
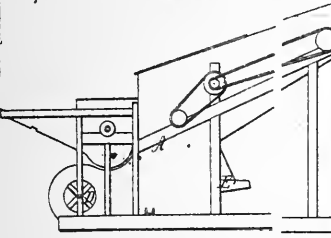
107,974 W. A. AND H. E. STARRETT  
DEVICE FOR ATTACHING STEELS TO  
CORSETS.107,980. G. M. THIRKITTLE  
GRAIN AND SEED DRILL.

107,984. J. VALEROTARY BAKE OVEN

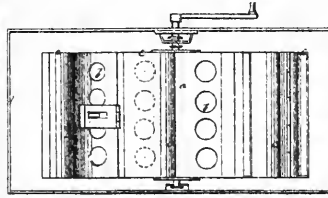
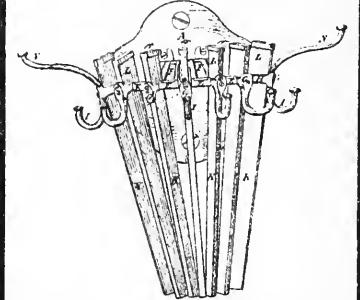


107,985. S. O. AND P. W. VAUGHAN  
GRINDER FOR HARVESTER CUTTERS.107,990. C. A. WRIGHT COMBINED  
HORSE POWER AND BALING PRESS.

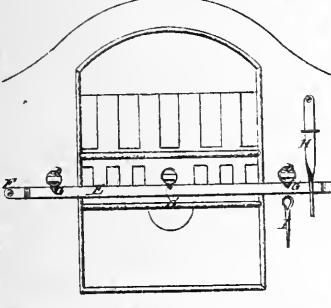
107,995. L. ANDERSEN SPRING BED.

107,986. A. A. WALKER.  
THRASHER AND SEPARATOR.

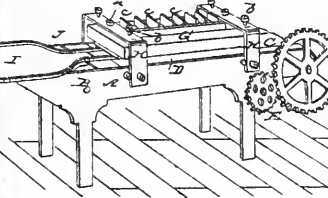
107,991G. WRIGHT WASHING MACHINE.

107,993. H. BAUMAN AND  
H. MUELLER CLOTHES RACK.

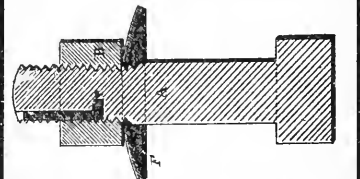
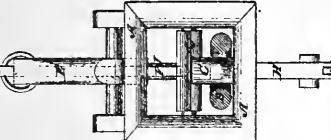
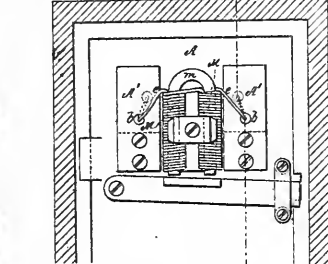
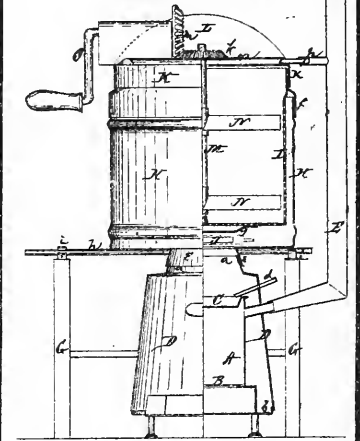
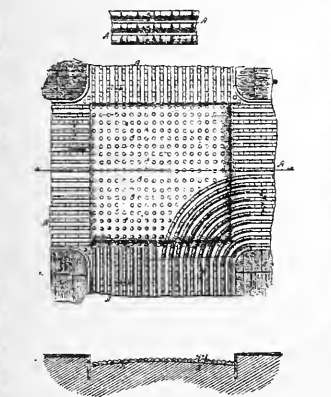
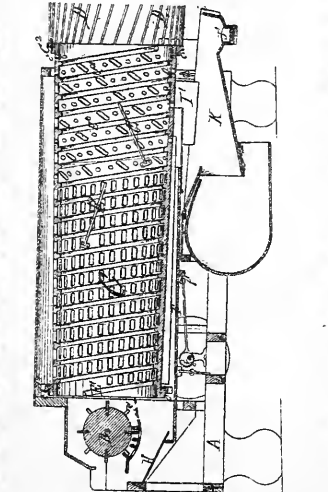
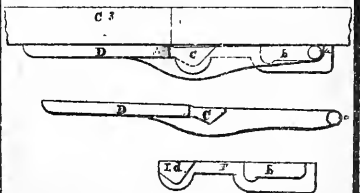
107,987 A. B. WEEKS FURNACE GRATE.



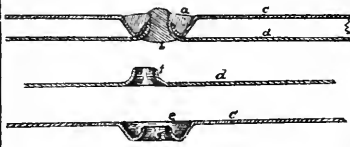
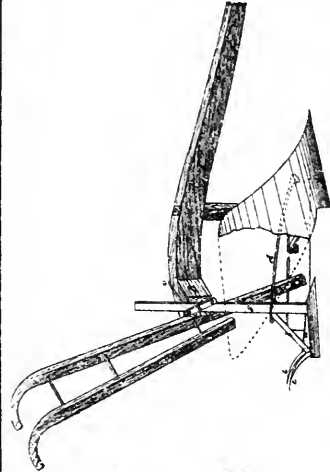
107,992. W. S. WRIGHT TYPE PLANNER.

107,997. F. BECK. COMPOUND FOR  
COLORING PAPER AND OTHER FABRICS.

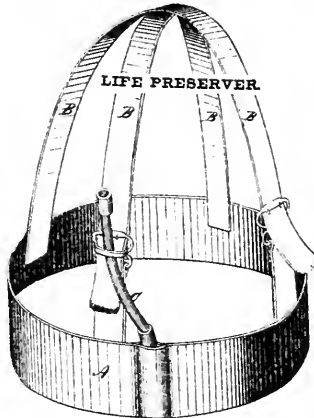
107,998. J. BELL NUT LOCK.

107,988. G. W. WHEAT.  
RAILWAY CAR COUPLING.107,993. C. O. YALE  
ELECTRO MAGNETIC SAFE LOCK.107,999. E. BICKELL AND  
M. V. NORA CONK.  
FEATHER RENOVATOR.107,989. G. WILKES.  
CORRUGATED METALLIC PAVEMENT.107,994. J. ALLONAS.  
THRASHING MACHINE.108,000. J. BLAKE.  
AUZILIARY TABLE ATTACHMENT.

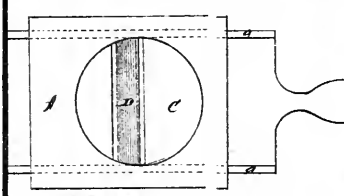
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108,002. L. E. BURDIN.  
SUBSOIL PULVERIZING ATTACHMENT  
FOR PLOWS.

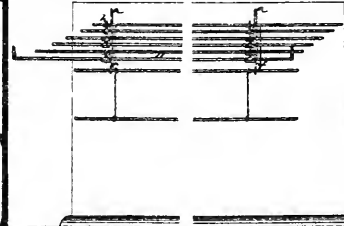
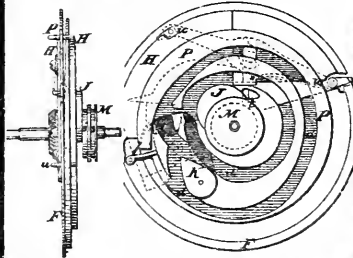
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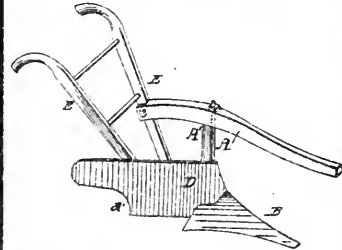
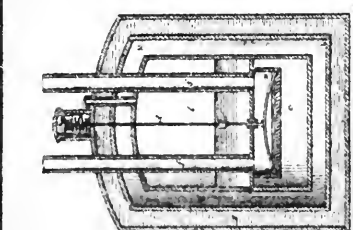
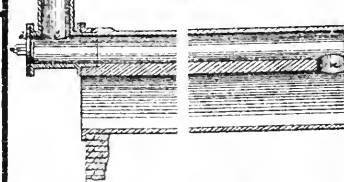
108,007F. CURTIS VEGETABLE CUTTER.



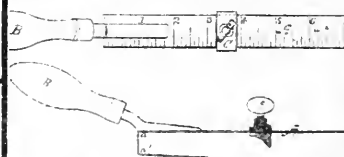
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108,003. W. W. BURSON AND  
J. NELSON. KNITTING MACHINE.

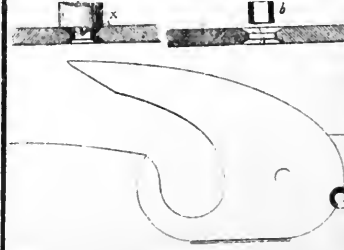
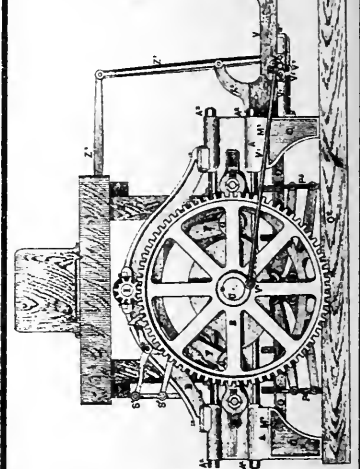
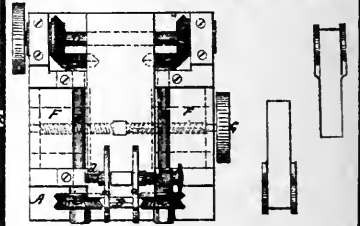
108,004. M. BUTLER. PLOW.

108,005. H. A. CHAPIN. APPARATUS  
FOR CARBURETING AIR AND GAS.108,009. D. DAVISON.  
GAS RETORT.

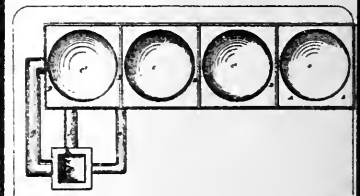
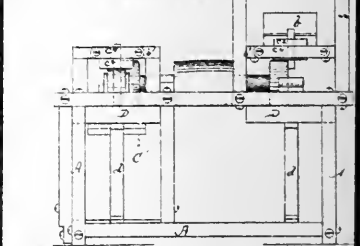
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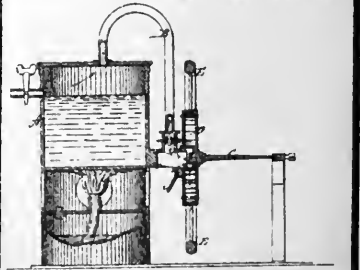
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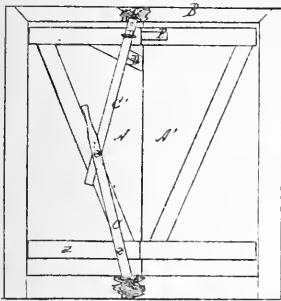
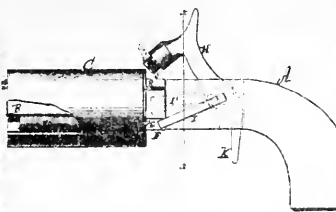
108,012. D. P. DOBBINS AND  
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108,014. N. FOCHE. FLUE.

108,015. E. S. FRENCH.  
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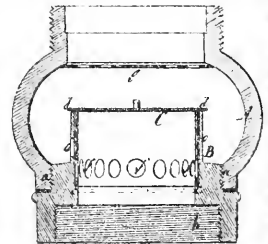
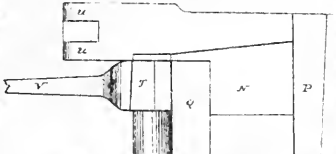
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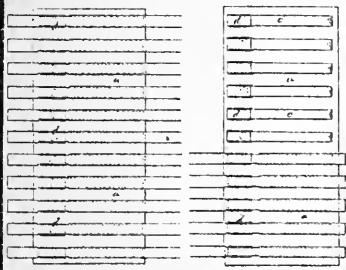
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108,028. T. J. JOHNSON TOY TORPEDO

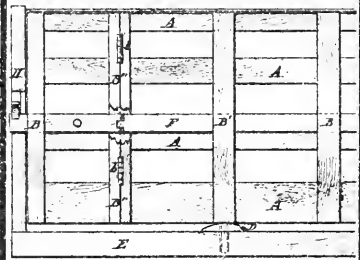
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108,023. J. C. HIGGINS.  
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108,018. B. GREGG. BED BOTTOM.

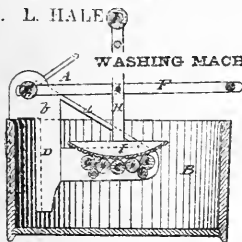
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108,031. S. KEPNER. GATE.

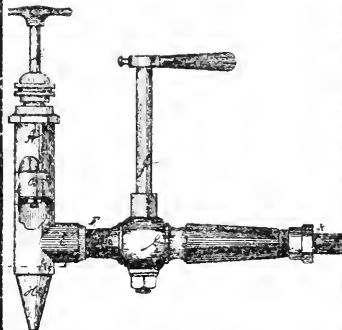


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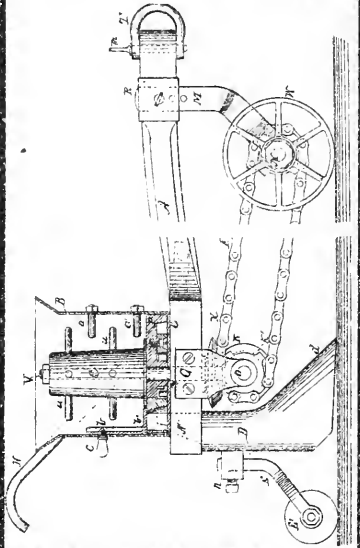
WASHING MACHINE



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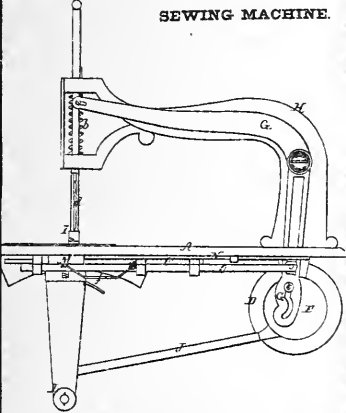


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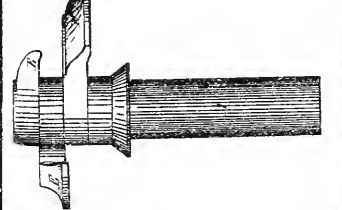
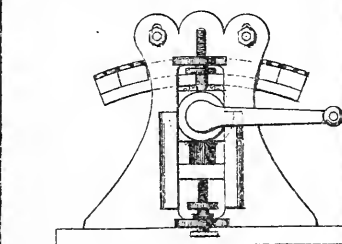


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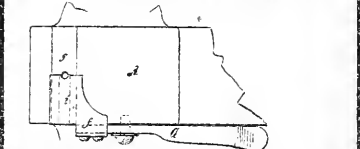
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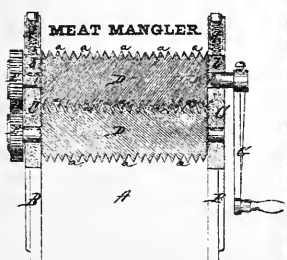
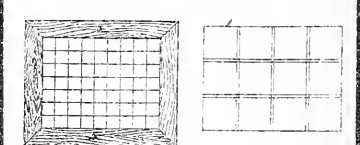
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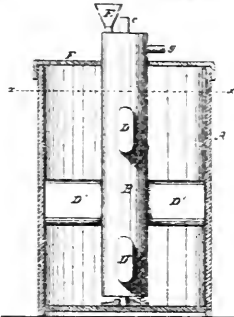
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PUTTING UP MEDICINES

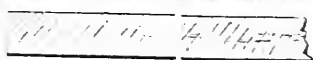


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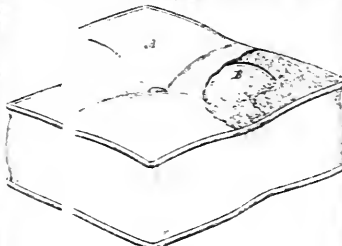


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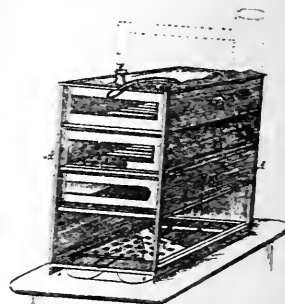
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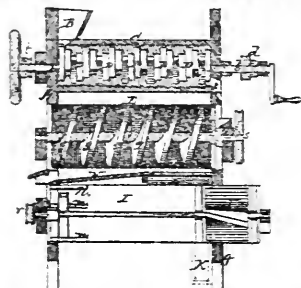
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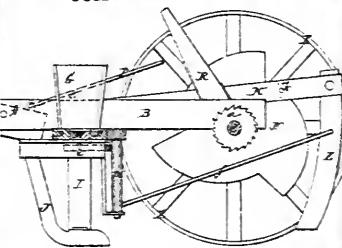
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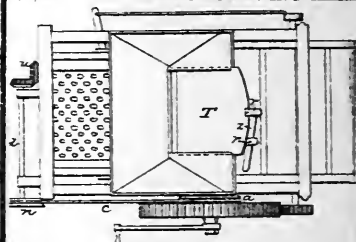
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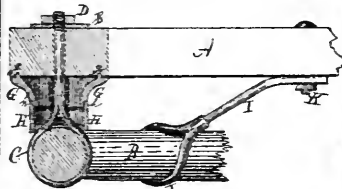
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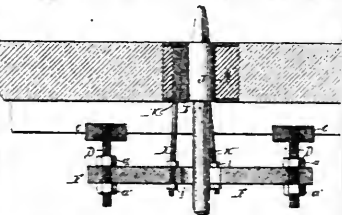
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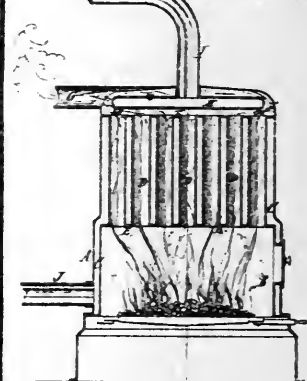
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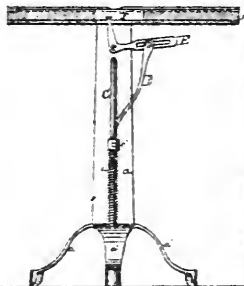
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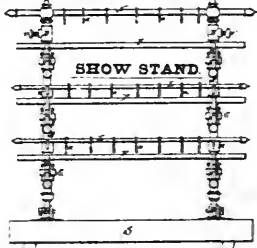
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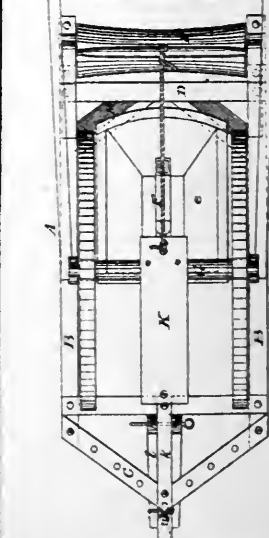
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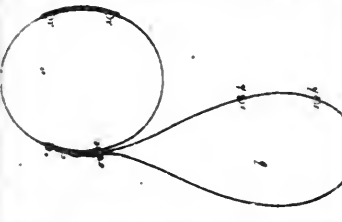
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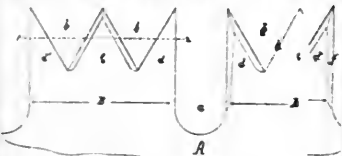
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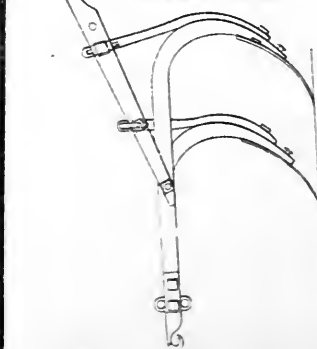
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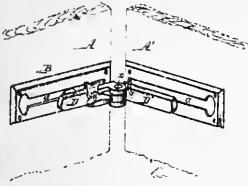
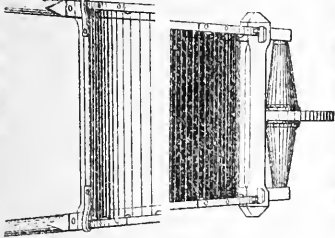
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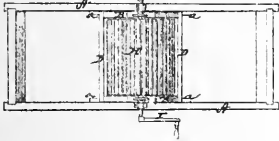
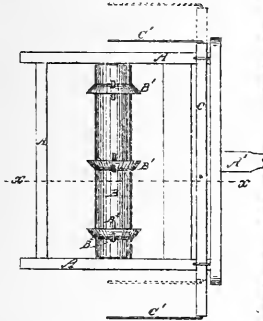
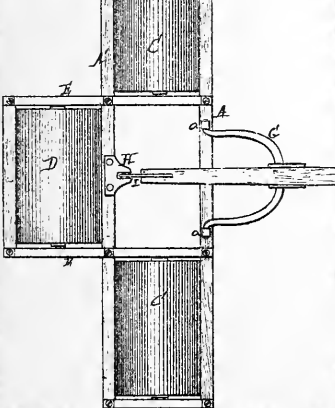
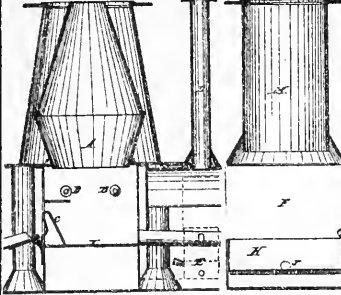
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108,052A. RANKINSHUTTER FASTENER

108,053. R. M. REYNOLDS.  
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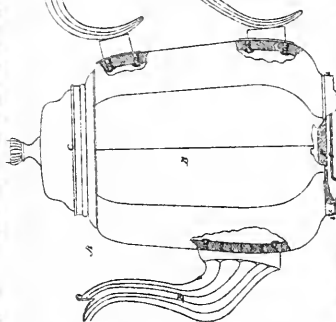
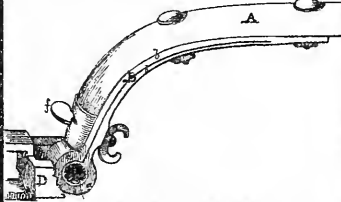
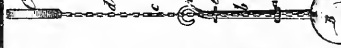


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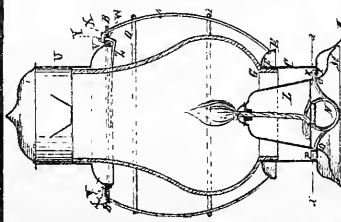


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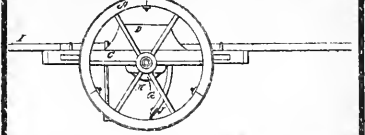
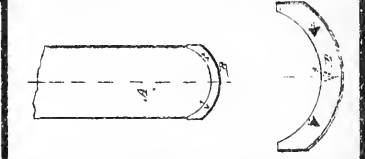
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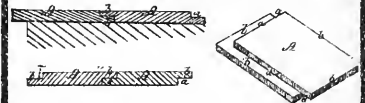
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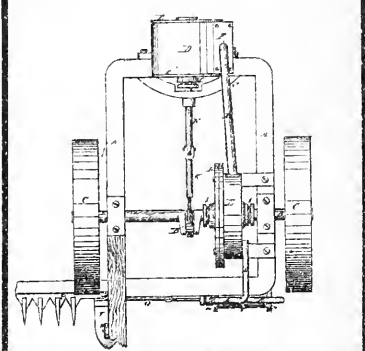
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108,066. W. TERRELL. TONGS FOR  
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108,068 W. UTLEY TILE FOR ROOFING, &amp;c

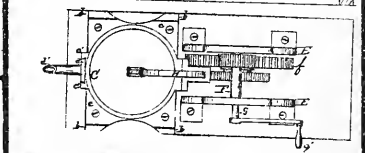
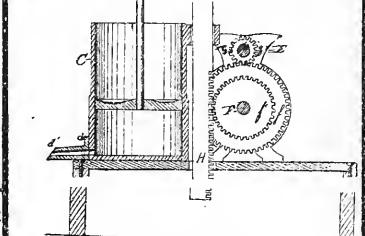


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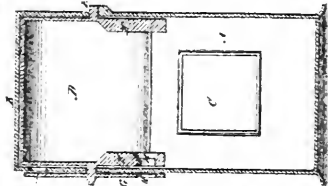


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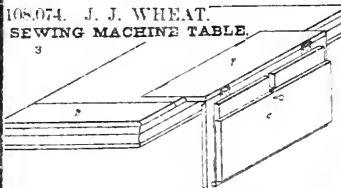
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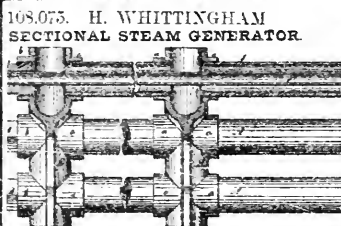
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RENDERING LEATHER IMPERVIOUS  
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108,073. E. C. WELD LETTER BOX

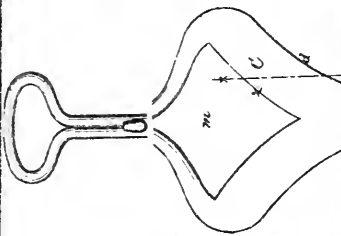


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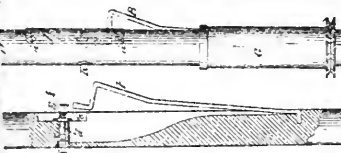


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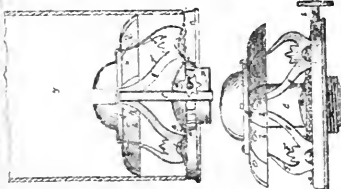
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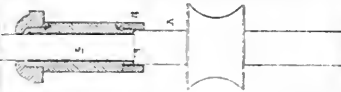
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108,078. S. R. WILMOT LAMP BURNER.



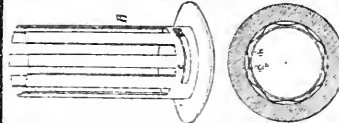
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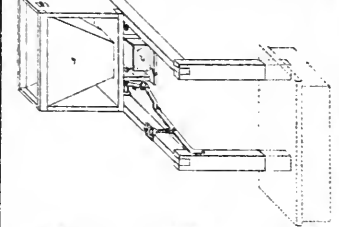
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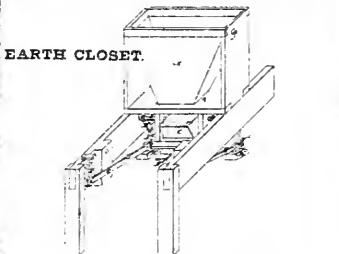
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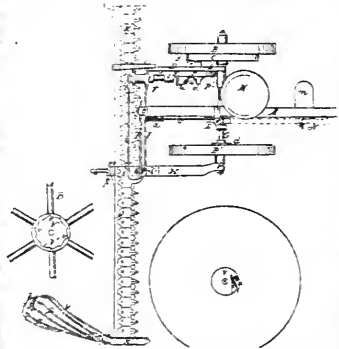
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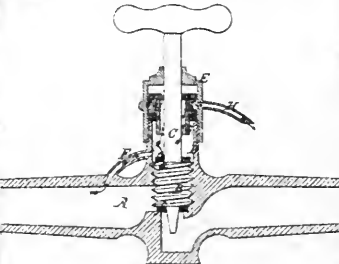
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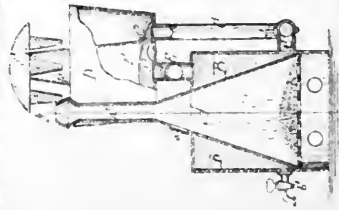
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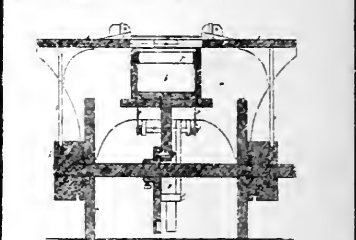
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4,141. J. T. GROSE  
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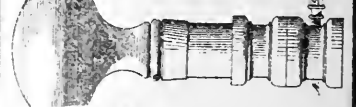
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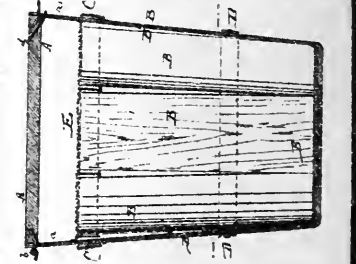
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4,144. M. P. NORTON  
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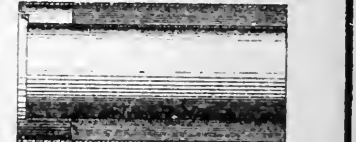
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4,147. E. A. JEFFERY. COAL HOD.



4,148. E. L. PERRY AND  
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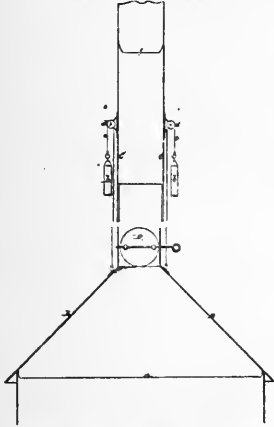
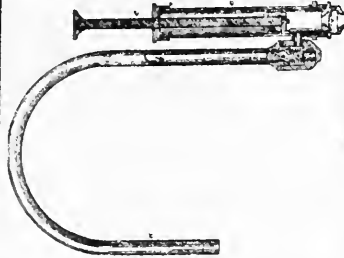


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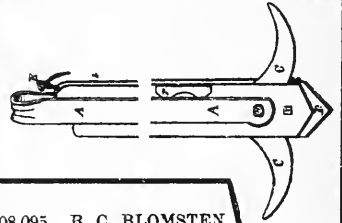
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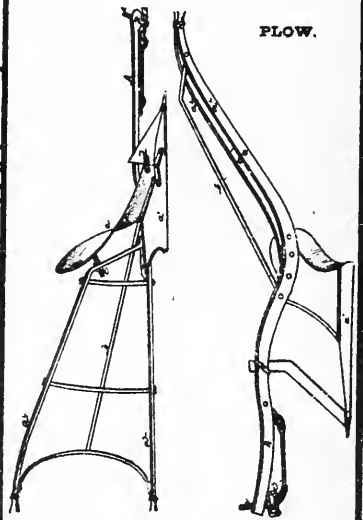
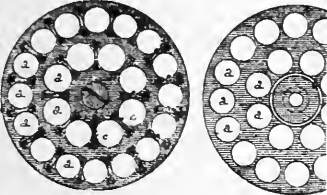
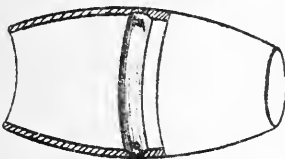
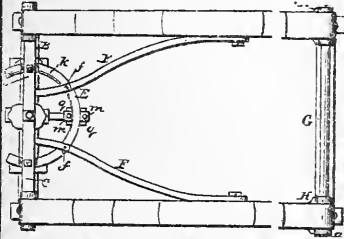
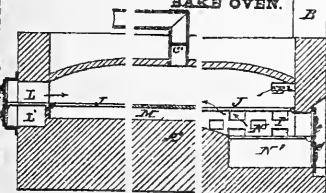
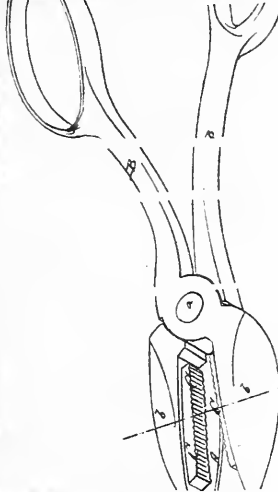
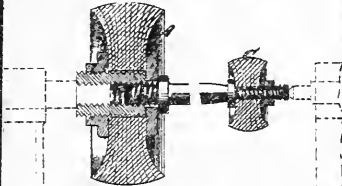
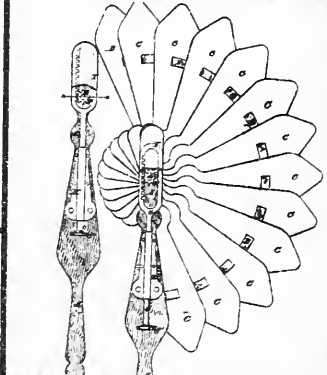
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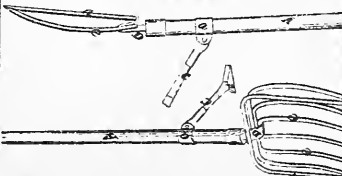


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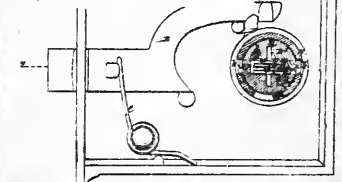
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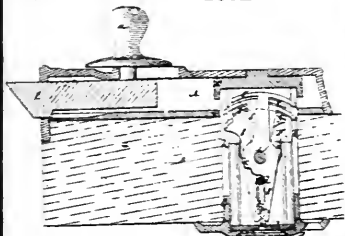
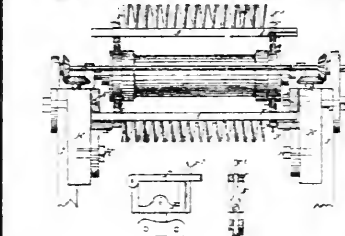
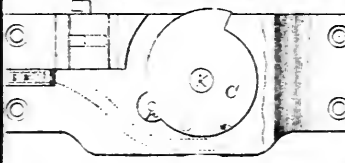
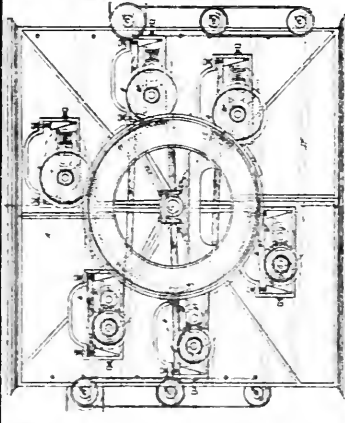
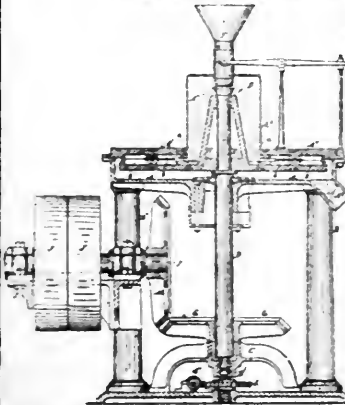
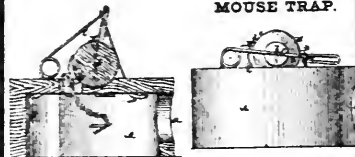
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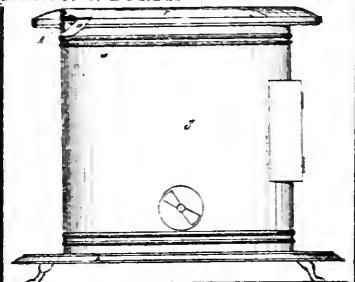
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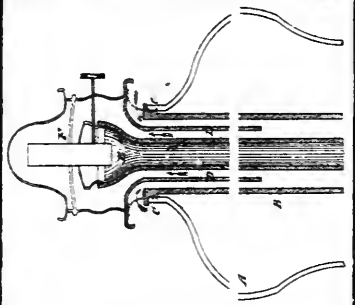
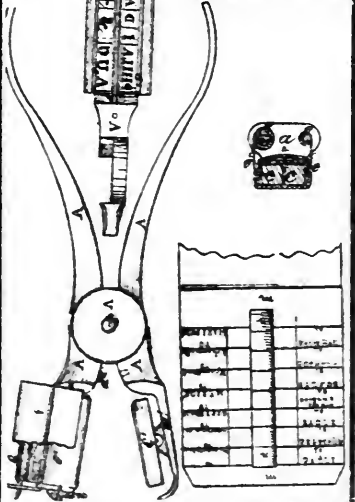
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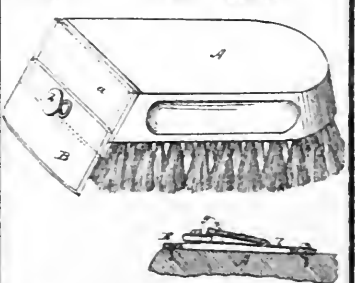
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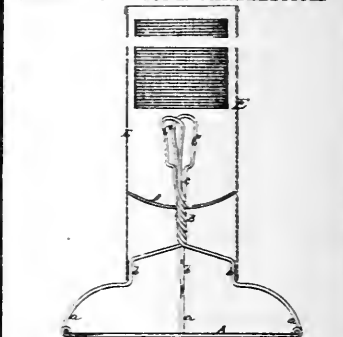
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108,107. C. A. CHAMBERLIN  
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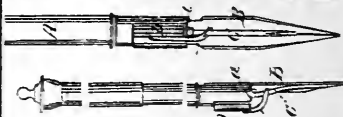
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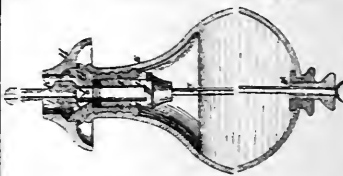
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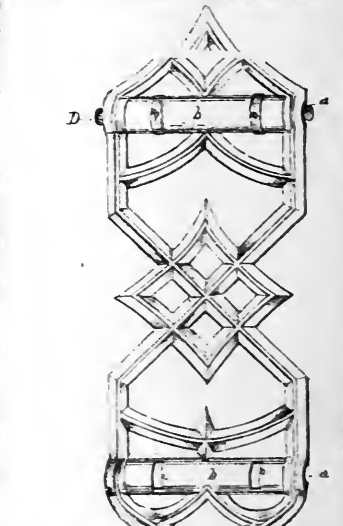
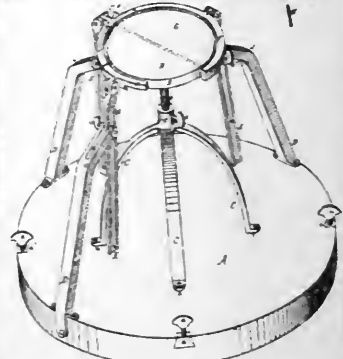
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108,111. G. CONOVER. SYRINGE.

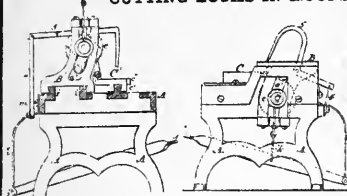


108,112. S. CROWELL. IRON FENCE.

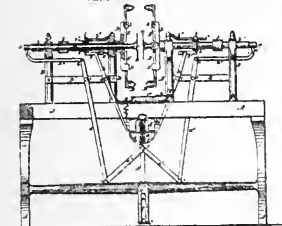
108,113. A. CUTTER  
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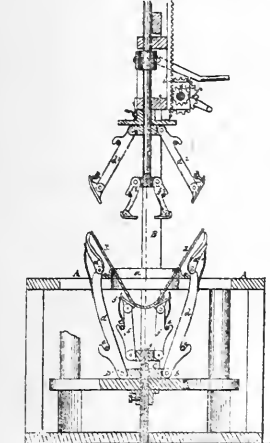
108,114. A. CUTTER MACHINE FOR CUTTING LOCKS IN HOOPS



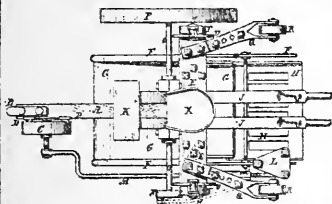
108,115. A. CUTTER MACHINE FOR MAKING BARREL HEADS



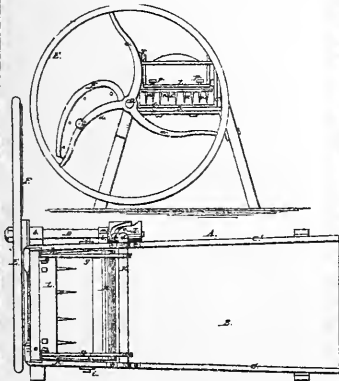
108,116. J. DE LA MARMACHINE FOR BLOCKING AND STRETCHING HATS.



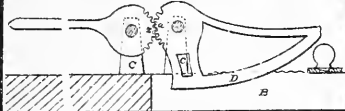
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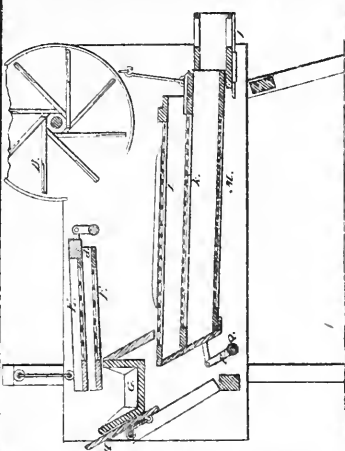
108,118. C. R. DONNER FEED CUTTER



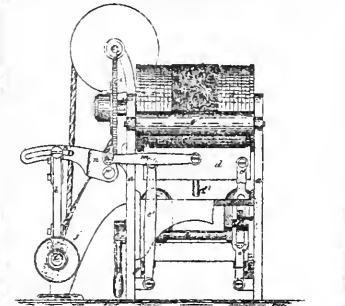
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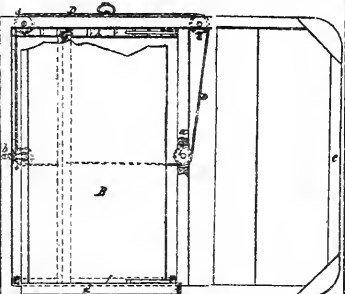
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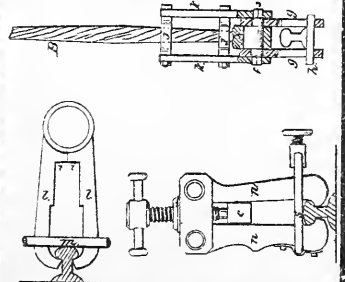
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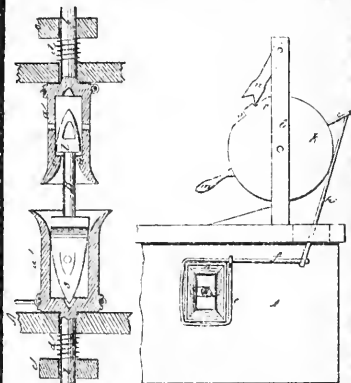
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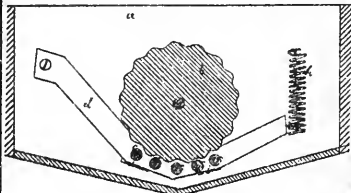
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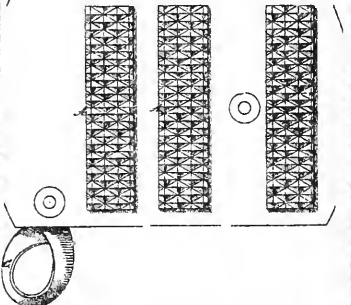
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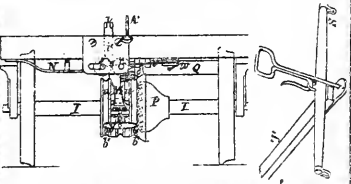
108,125F. FEAZEL WASHING MACHINE.



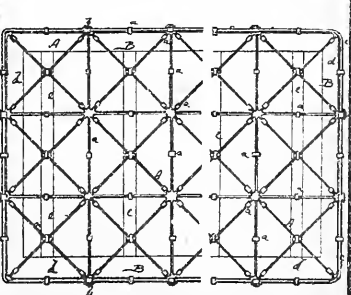
108,126. J. E. FINLEY HAND CORN SHELLER.



108,127. G. P. FRICK DEVICE FOR STARTING STREET CARS.

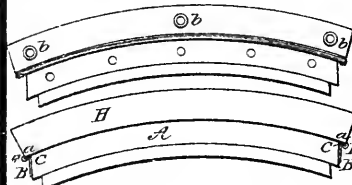


108,128. C. FULTON SPRING MATTRESS



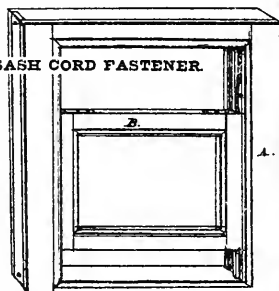
108,129. T. FYANS. COMPOSITION FOR WELDING AND RESTORING STEEL.

108,130. J. GARRY. CAR ROOF.



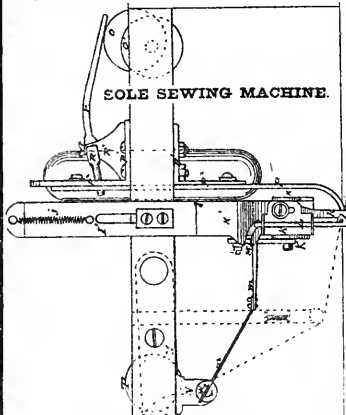
108,131. C. GIES.

SASH CORD FASTENER.



108,132. J. P. GREELY.

SOLE SEWING MACHINE.

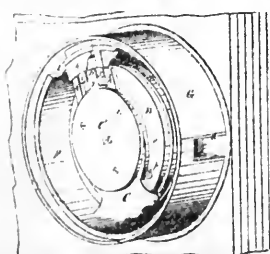


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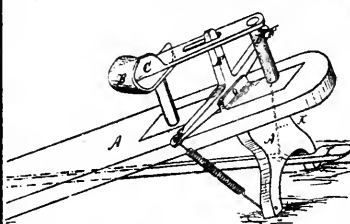
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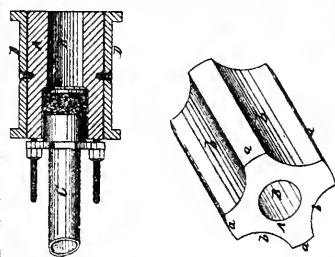
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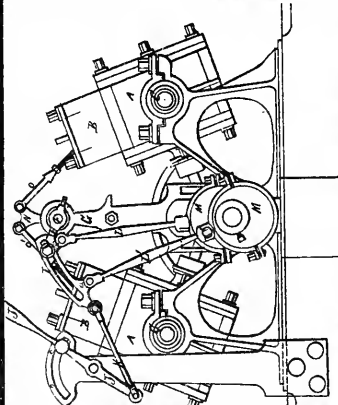
108,135. C. A. HEGE. CANE STRIPPER.



108,136. T. HILL. TRUNNION FOR STEAM ENGINES AND CALENDERS.

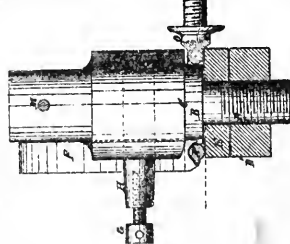


108,137. T. HILL. VALVE GEAR FOR STEAM ENGINES.

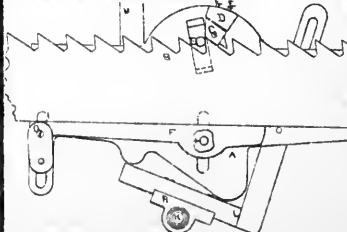


108,138. A. J. HINDEMAYER. COMPOSITION FOR WELDING, PUDDLING AND BRAZING METALS.

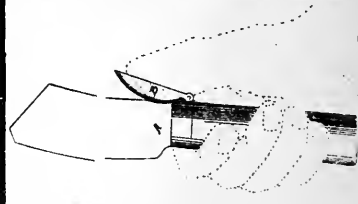
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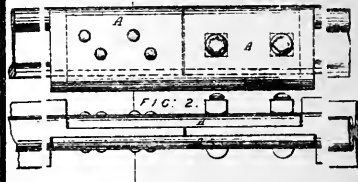
108,140. G. M. HINKLEY. SWAGING MACHINE.



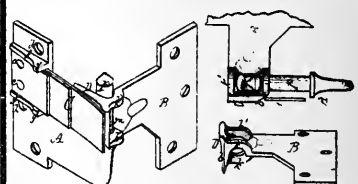
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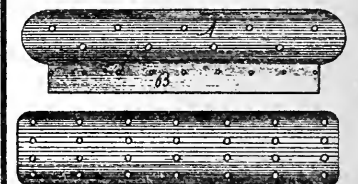
108,142. G. A. HUDDART. RAILWAY RAIL JOINT.



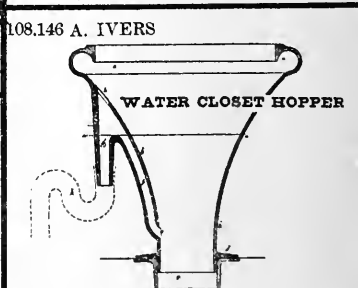
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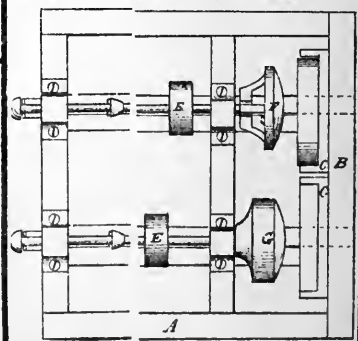
108,144. J. C. HULL. WINDOW WASHER AND SCRUBBING PAD.



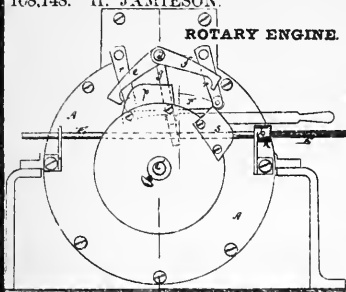
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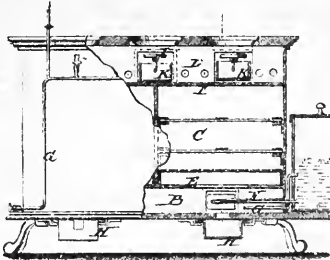
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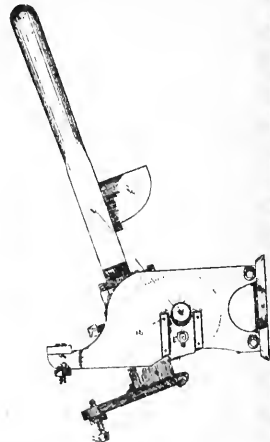
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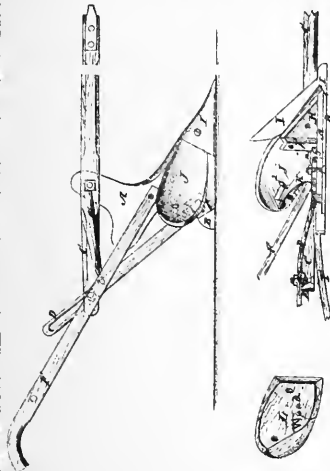
108,152. J. H. JONES. COOKING STOVE.



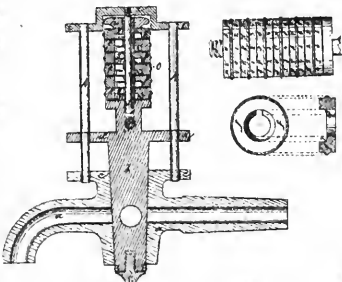
108,157. I. W. KNOWLES  
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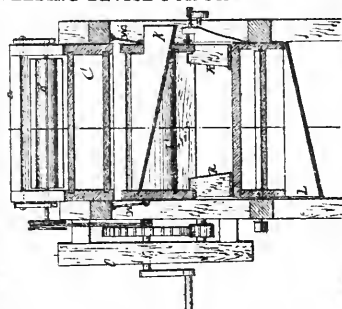
108,149. J. R. P. JETT. FLOW.



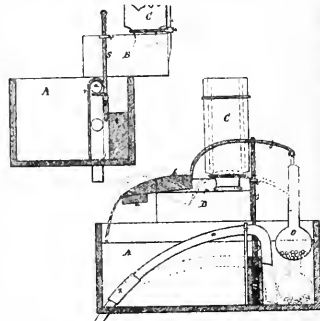
108,153. W. F. JONES  
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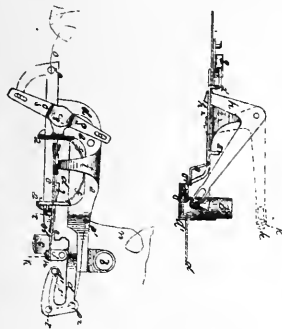
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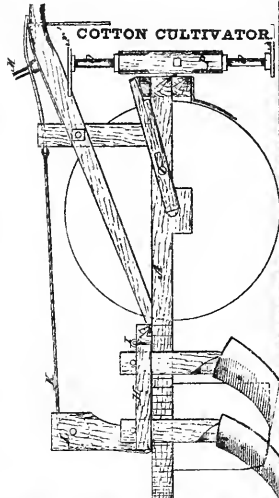
108,158. W. S. LAIGHTON APPARATUS  
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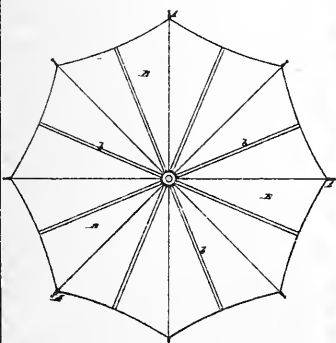
108,150. A. W. JOHNSON EMBROIDERING  
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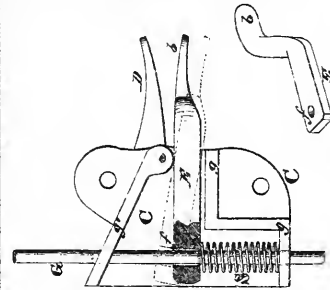
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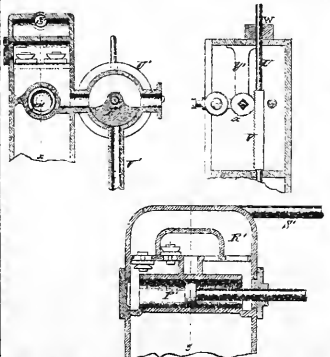
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W. HATCHMAN. UMBRELLA.



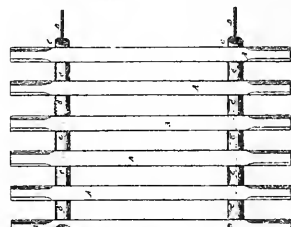
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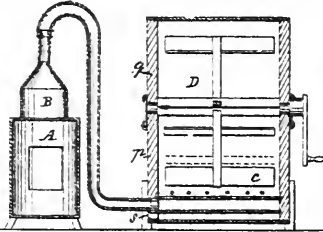
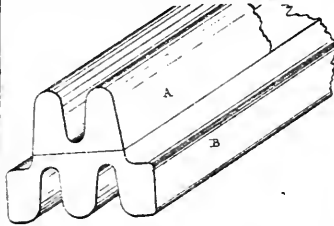


108,156. F. E. KIRBY STEAM ENGINE.

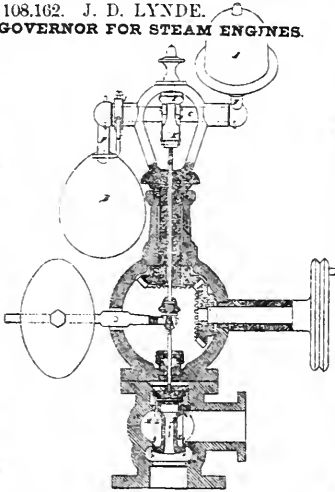


108,160. S. LEWIS. MAT.

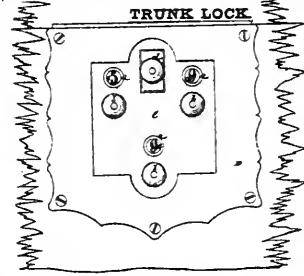


108,161. W. G. LUMBARD.  
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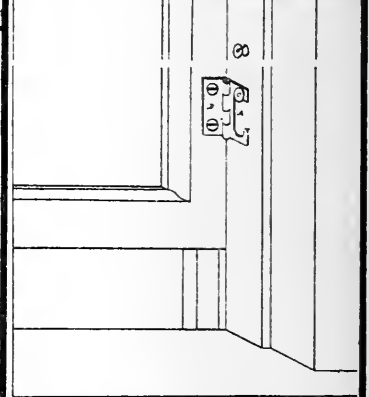
108,170. O. NICHOLSON COLORTROPE.

108,162. J. D. LYNDE.  
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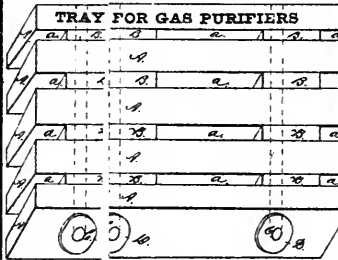
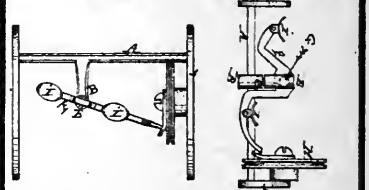
108,166. J. MORGAN



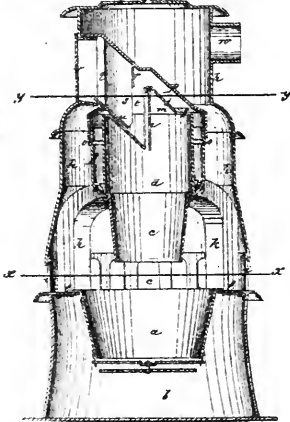
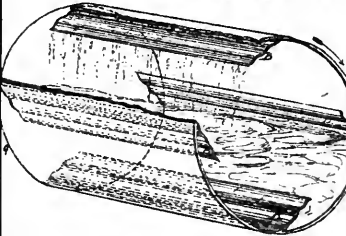
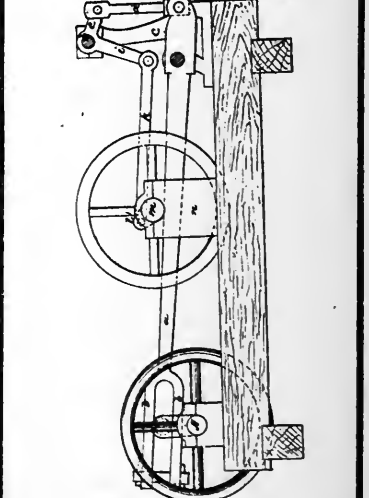
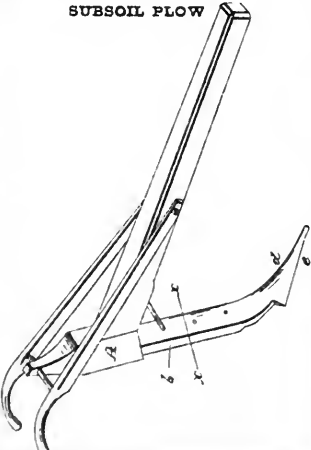
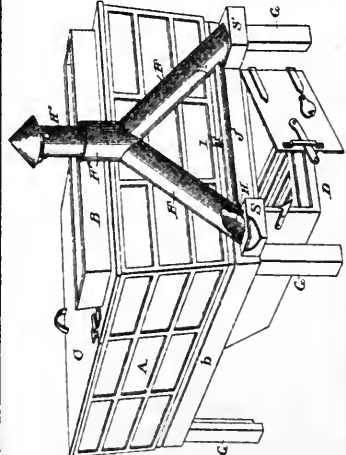
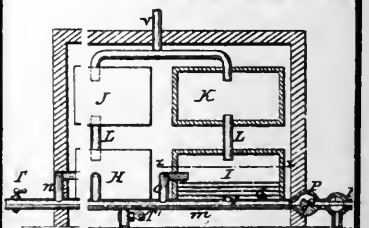
108,171 J. G. NICOLAY SASH FASTENER.

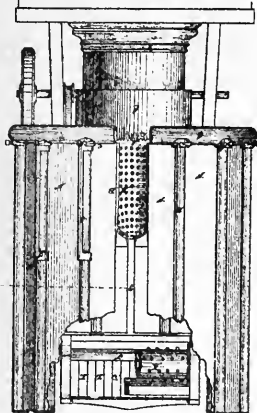
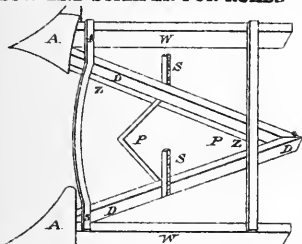


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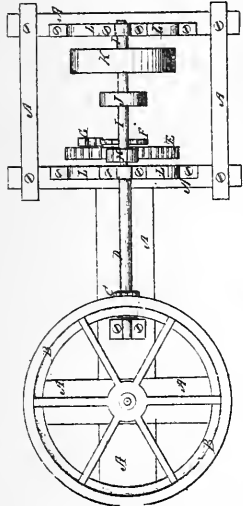
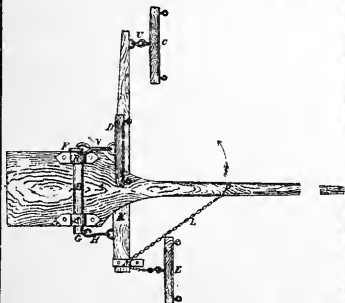
108,172. A. NIELSON  
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108,163. W. MAGILL HEATING STOVE

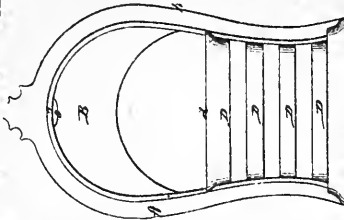
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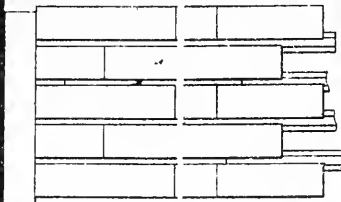
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108,179. J. C. PFEIL  
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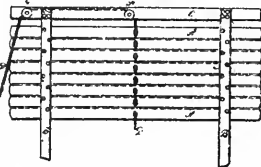
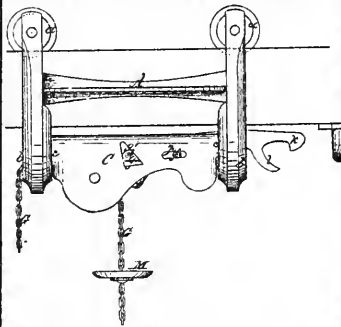
108,180. T. PHILLIPS. FIRE PLACE.



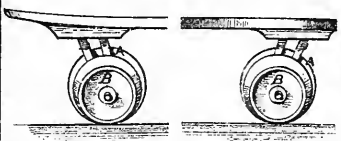
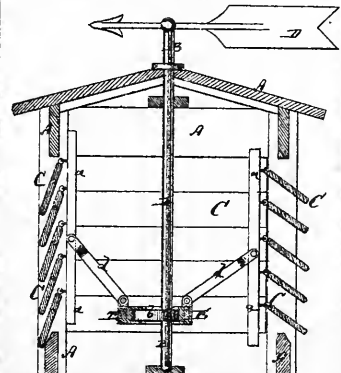
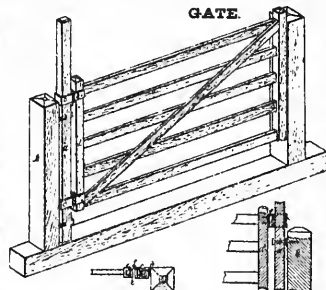
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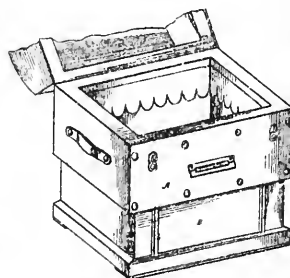
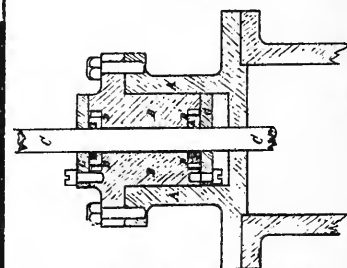
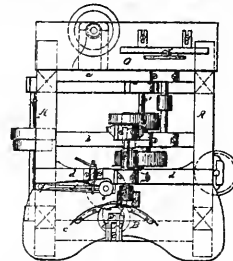
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108,183. T. J. POWELL.  
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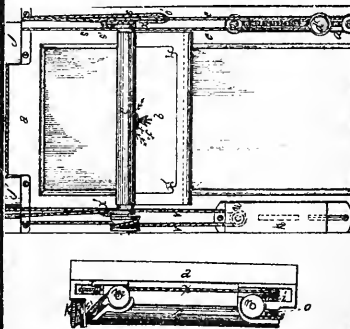
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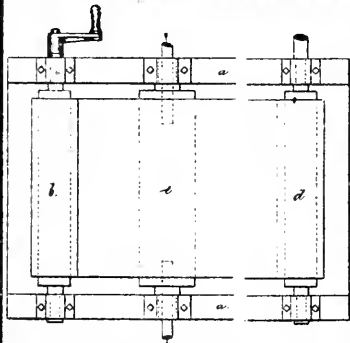
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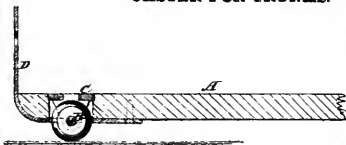


108,191. J. P. RUST REMOVING  
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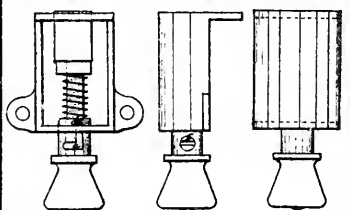
108,192. E. A. SCHUETTE.  
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FABRICS WITH GUTTA PERCHA.



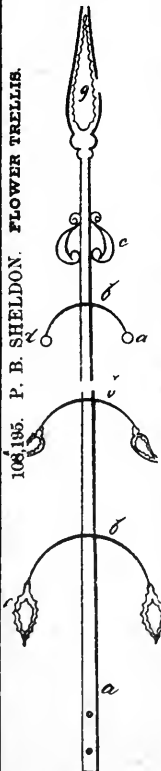
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CASTER FOR TRUNKS.



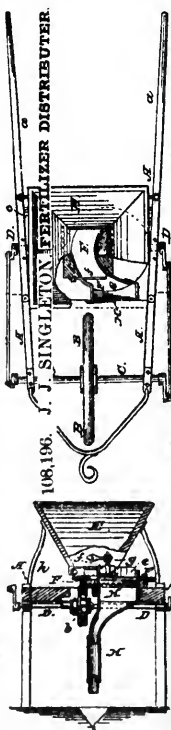
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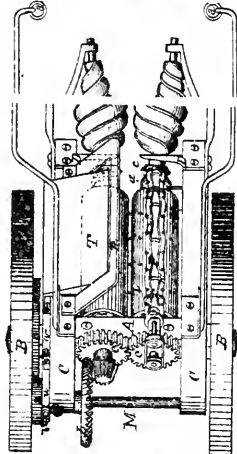
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108,196. J. J. SINGLETON. FERTILIZER DISTRIBUTER.



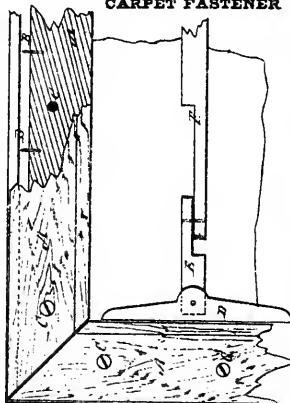
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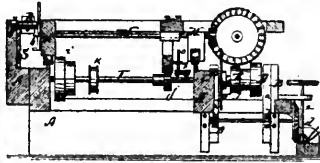
108,198. F. M. SMITH. PURIFYING BRINE  
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108,199. H. SMITH. WASH FOR THE  
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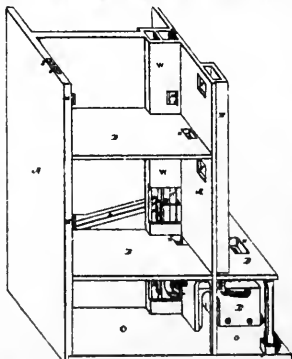
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CARPET FASTENER.



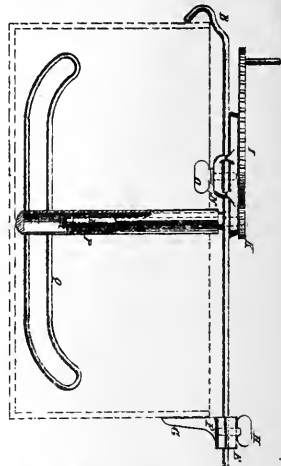
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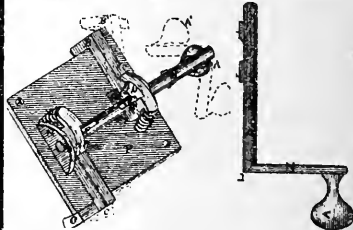
108,202. J. STOVER  
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VENTILATING BUILDINGS



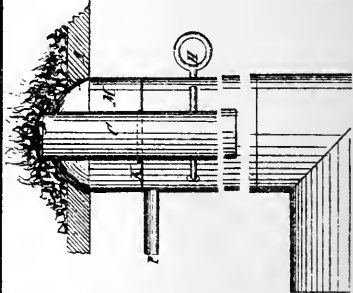
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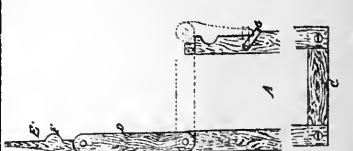
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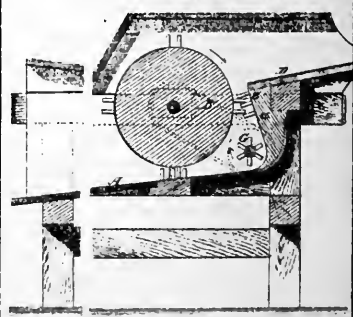
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ADJUSTABLE TUYERE.



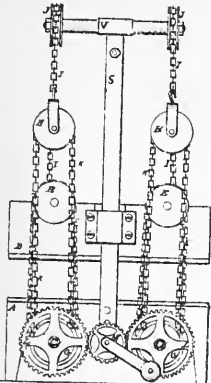
108,206. F. TALBOT. SLEIGH LOCK.



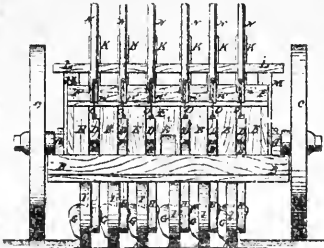
108,207. W. H. TAPPEY,  
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SHUCK HACKLING MACHINE.



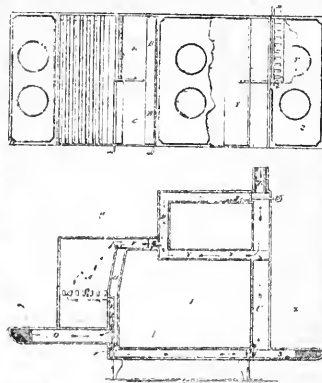
108,208. W. I. TATE. PRESS.



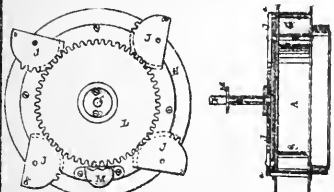
108,214J. W. TREADWAY GANG PLOW.



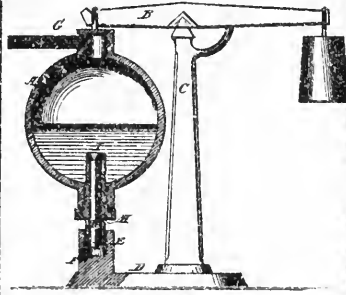
108,220. A. WEMYSS COOKING STOVE.



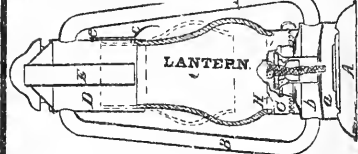
108,209A. P. TEACHOUT WATER WHEEL.



108,215. S. D. TRIPP. STEAM TRAP.

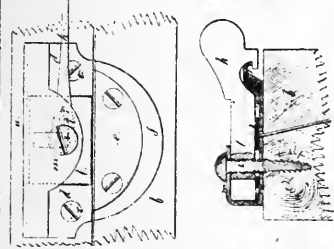


108,221. W. WESTLAKE.



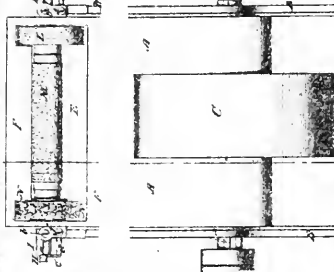
108,210 W. H. THOMAS

SASH FASTENER

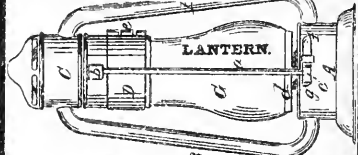


108,216. S. D. TRIPP

LEATHER BUFFING MACHINE.

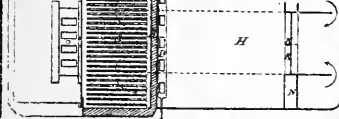


108,222. W. WESTLAKE.



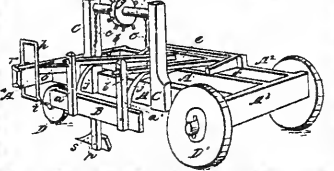
108,211E. L. THOMSON AND A. HURST

COOKING STOVE.

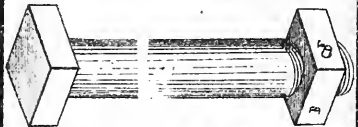


108,217. H. VANNATTA.

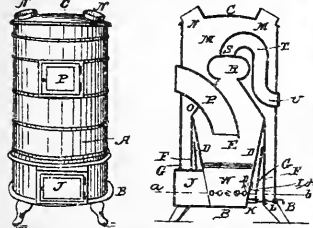
DITCHING MACHINE.



108,223. S. H. WHEELER. NUT LOCK.

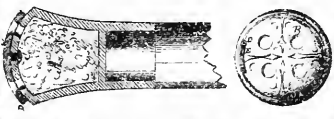


108,212. A. TRAVER HEATING STOVE.



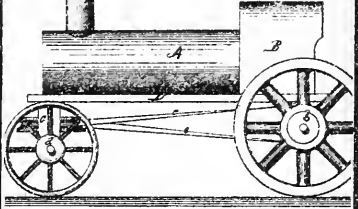
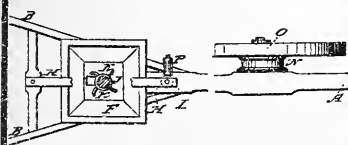
108,218. A. WANNER

HANDLE FOR CANES AND UMBRELLAS.

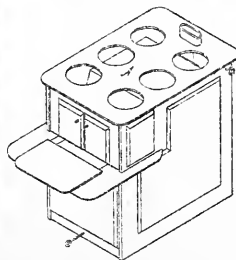
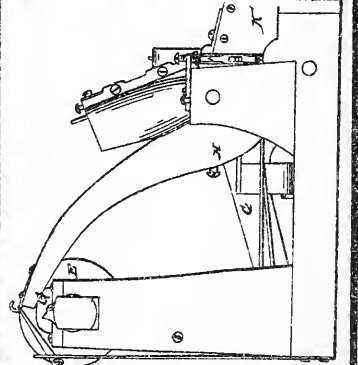


108,224. J. E. WICKHAM

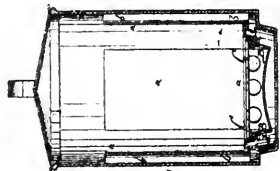
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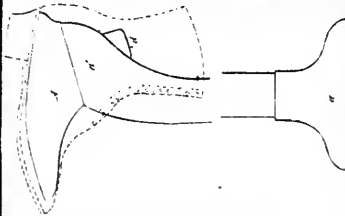
108,219L. DWEBBER COOKING STOVE.

108,225. A. P. WINSLOW  
MACHINE FOR MAKING NAILS.

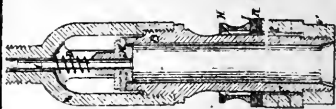
108,226 H. T. WOODMAN WASH BOILER



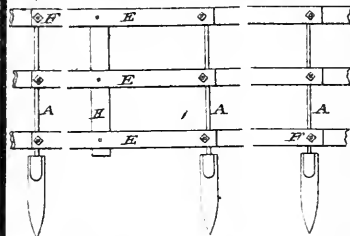
108,231. D. BAINBRIDGE ANVIL LAST.



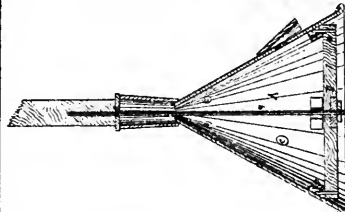
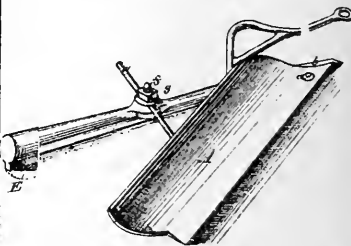
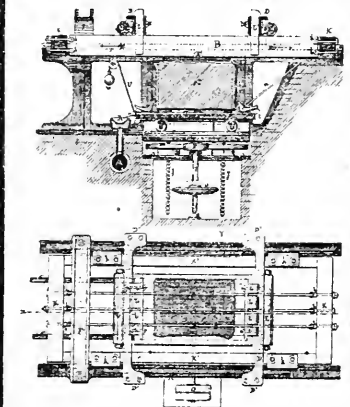
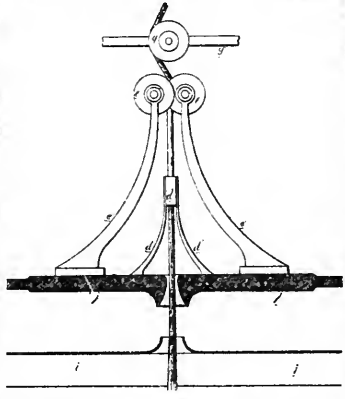
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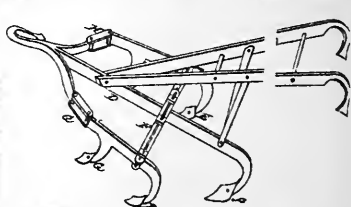
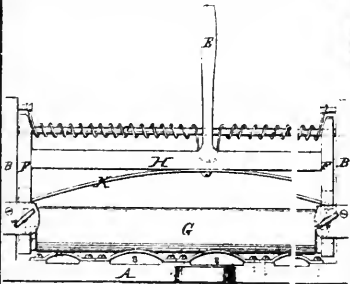
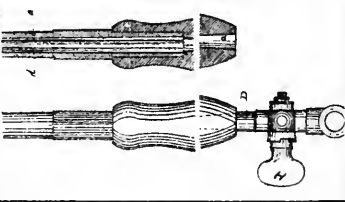
108,227. N. WOOLSEY. FENCE.



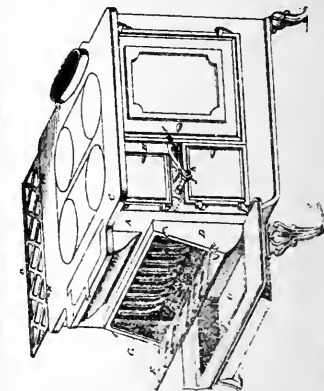
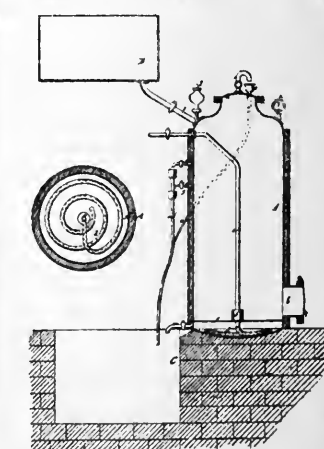
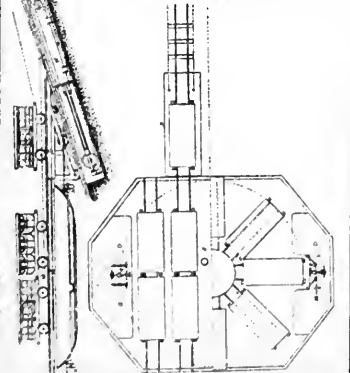
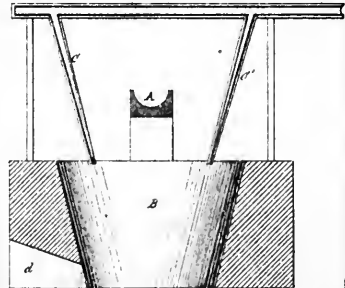
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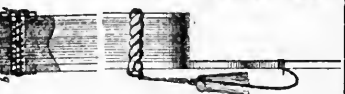
108,239. W. C. CLIFTON. CORN FLOW.

108,229. A. L. ZENT.  
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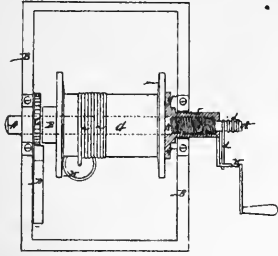
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108,241. A. H. F. DEININGER  
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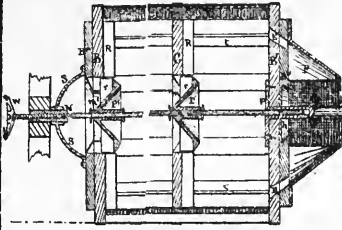
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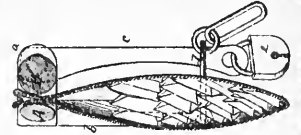
108,242. I. DEKLE. WATER ELEVATOR.



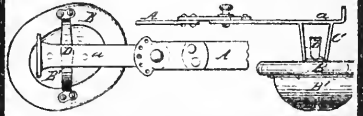
108,246. J. FICKINGER FLOUR BOLT.



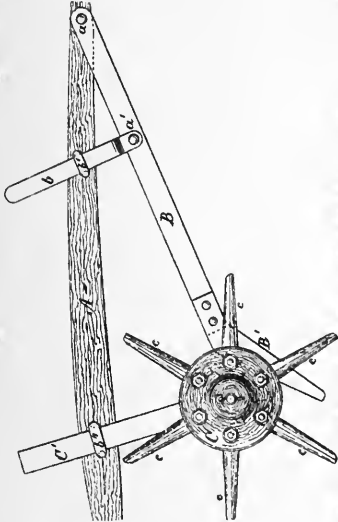
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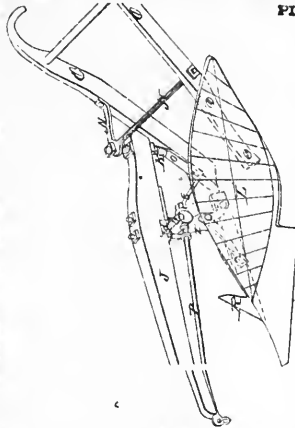
108,252. J. GEISS. TRUSS.



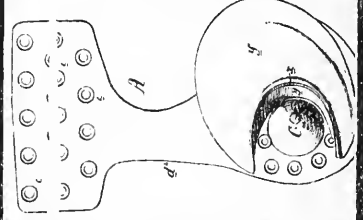
108,243. I. EASTWOOD. FLOW.



108,247. A. AND F. M. FRANKLIN. FLOW.

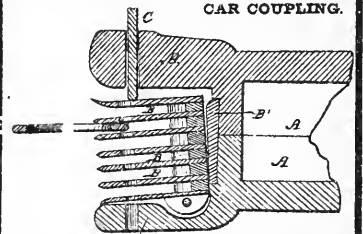


108,253. J. GOODIER. TRUSS.

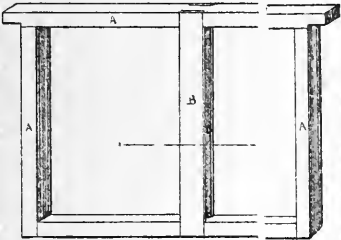


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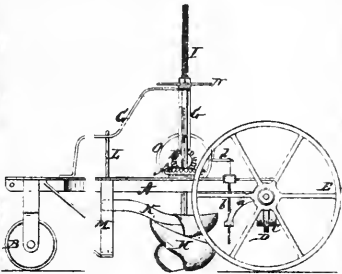
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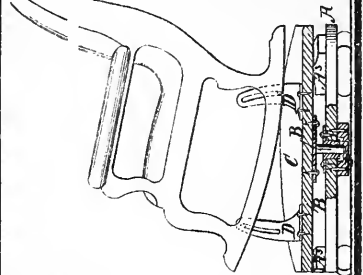
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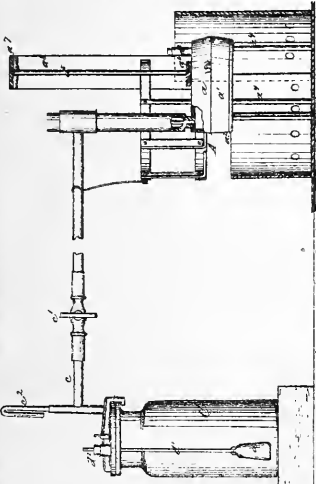
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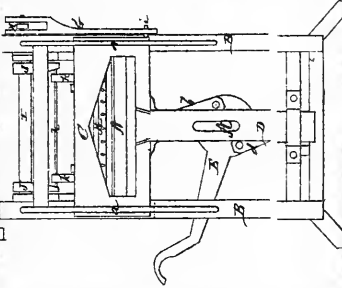
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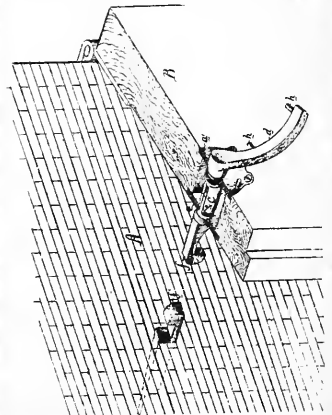
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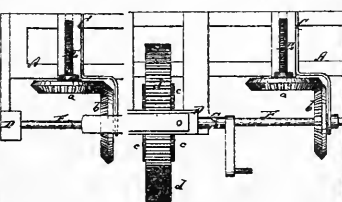
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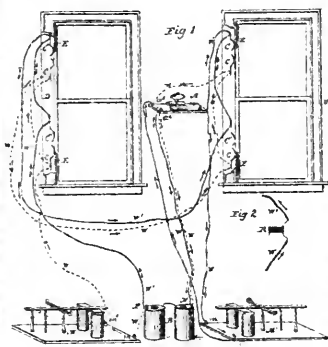
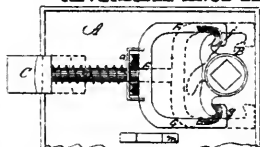


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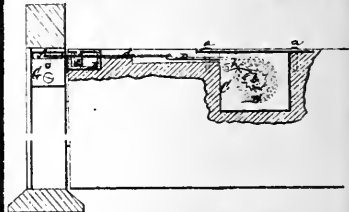
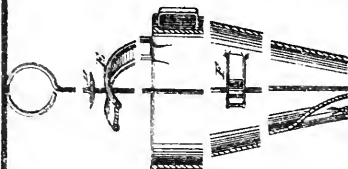
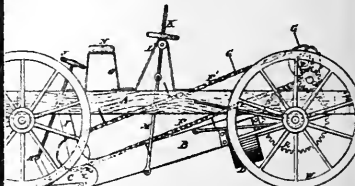


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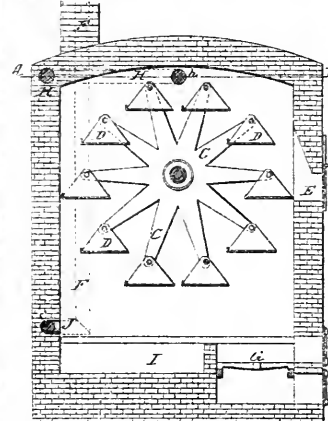


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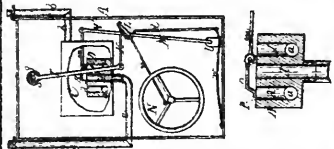
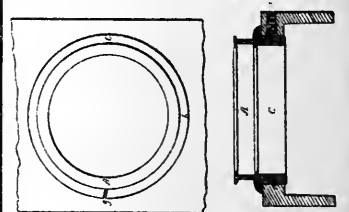
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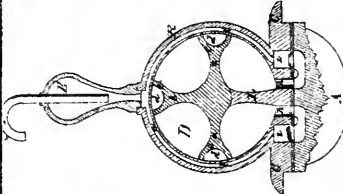
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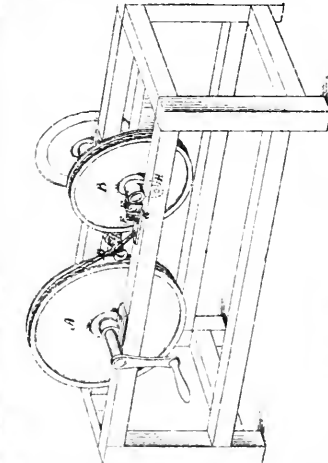
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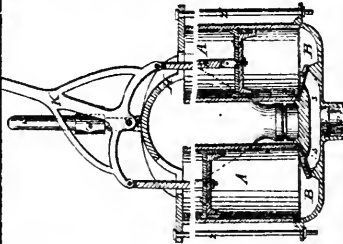
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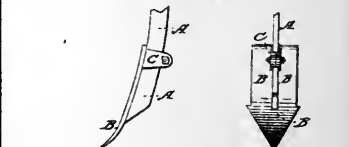
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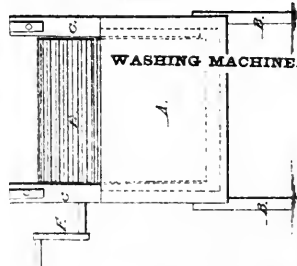
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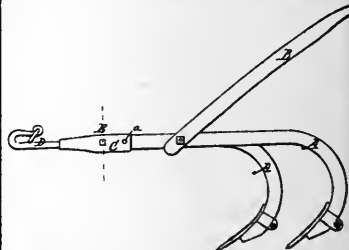
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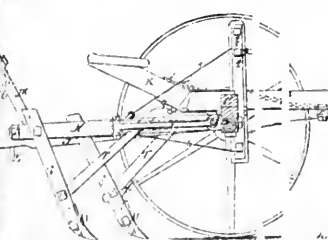
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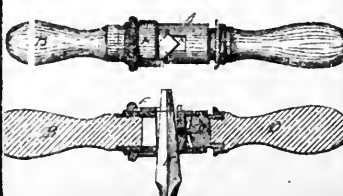
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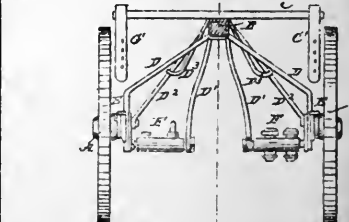
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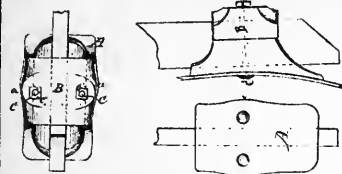


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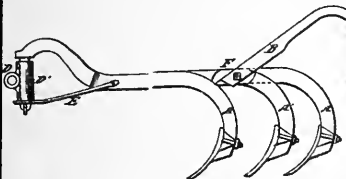
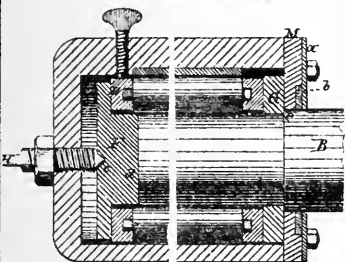




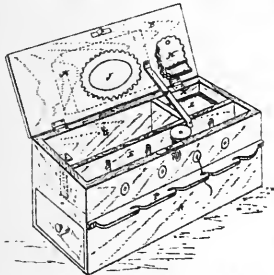
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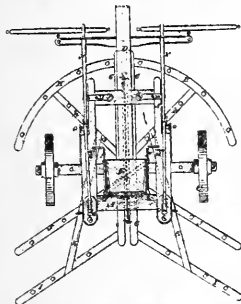
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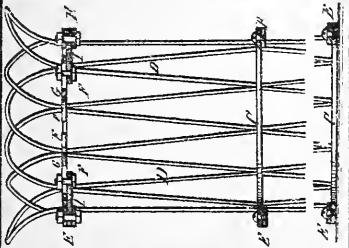
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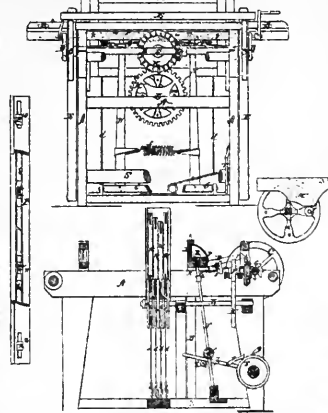
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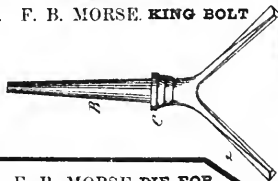
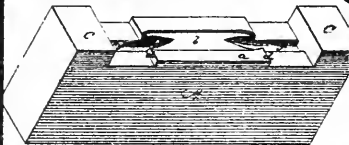
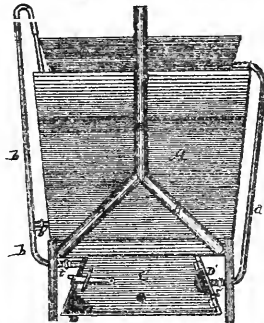
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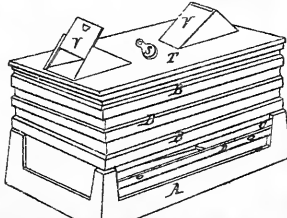
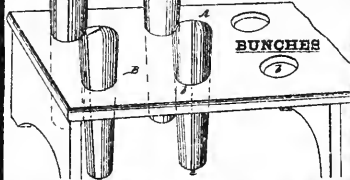
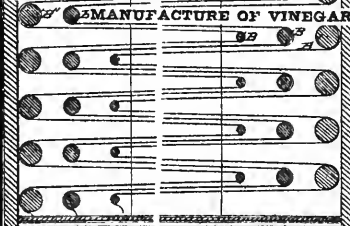
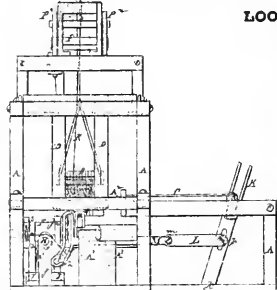
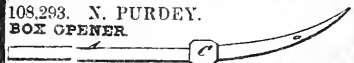
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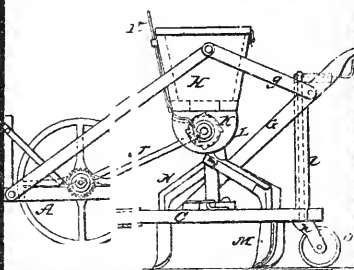
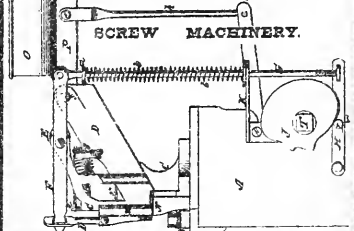
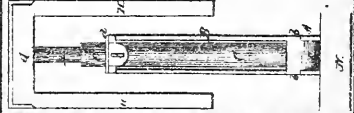
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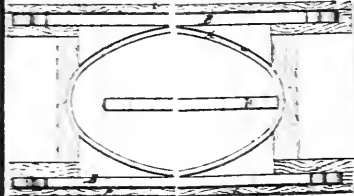
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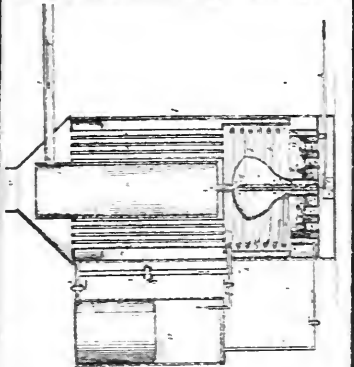
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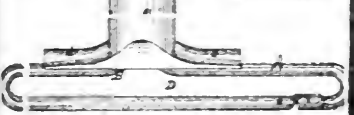
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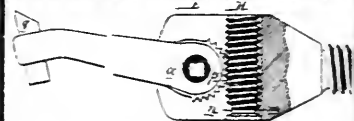
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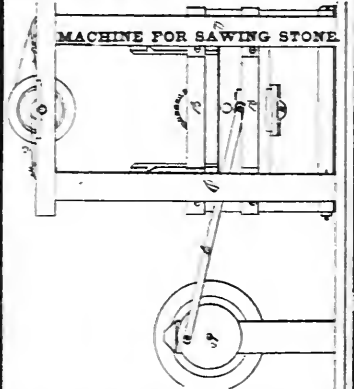
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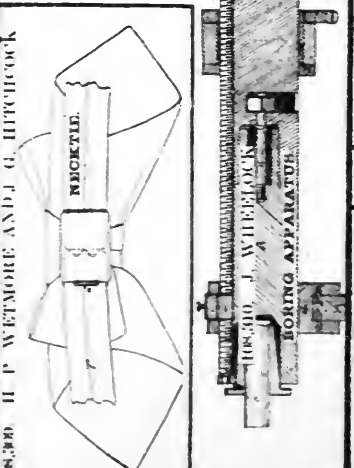
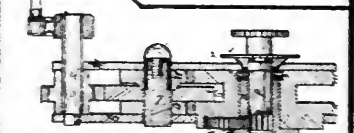
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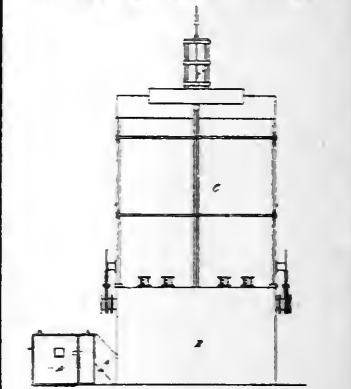
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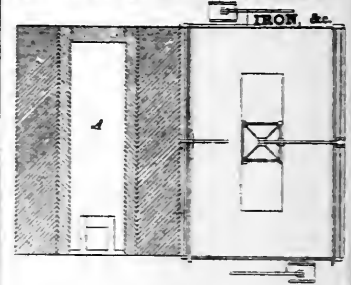
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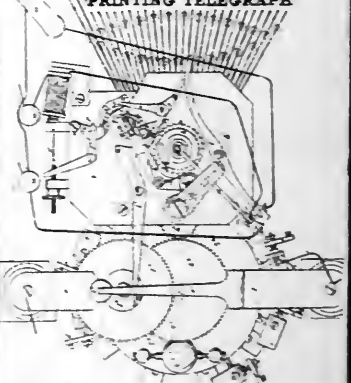
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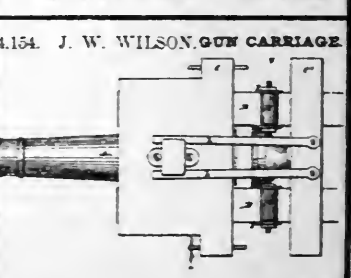
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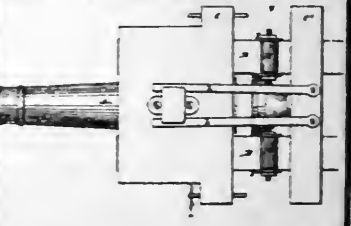
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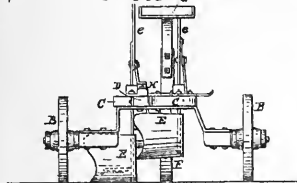
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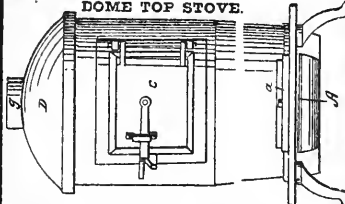
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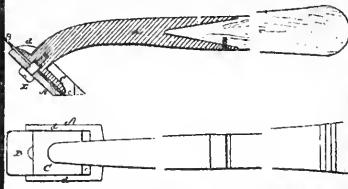
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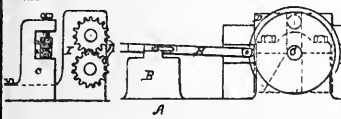
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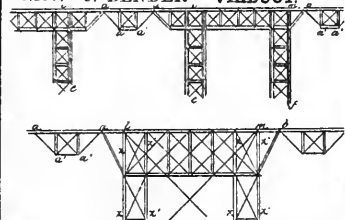
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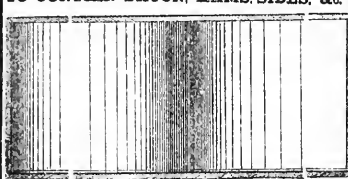
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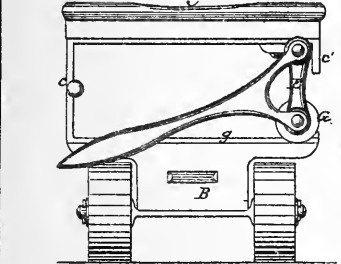
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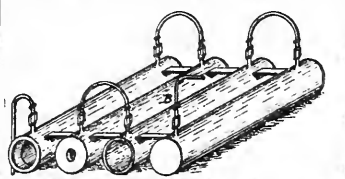
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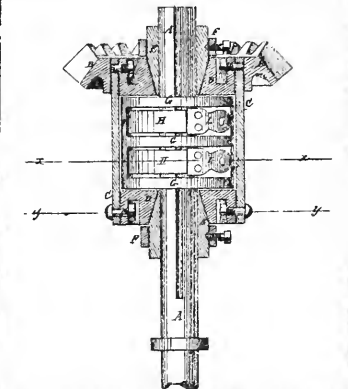
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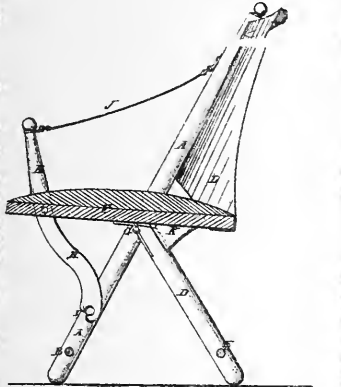
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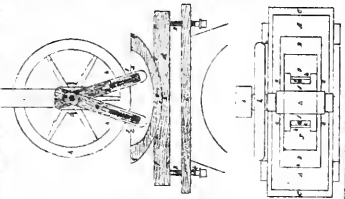
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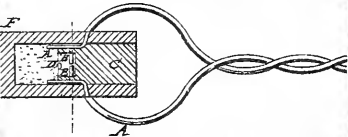
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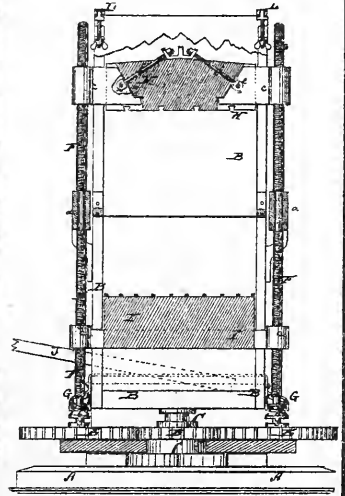
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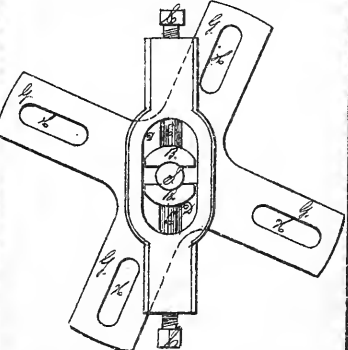
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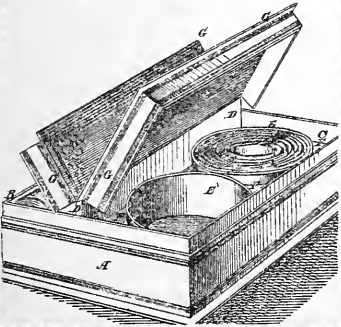
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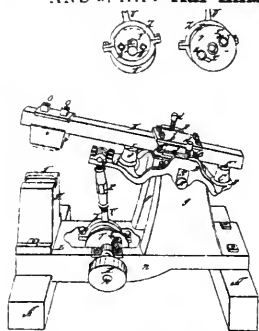


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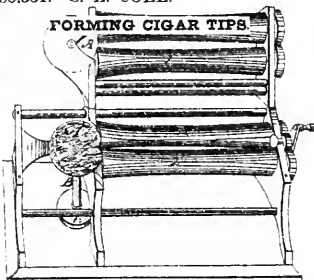
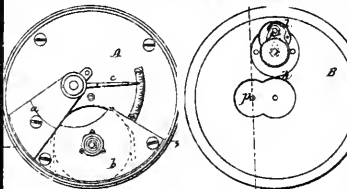
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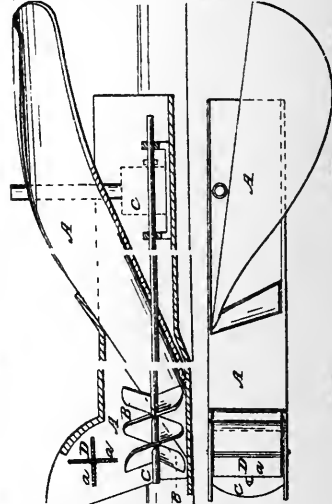
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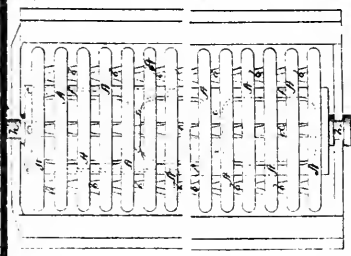
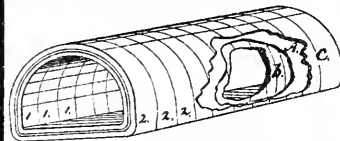
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108,332. D. G. CURRIER.  
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108,338. A. DUNBAR. SNOW PLOW.

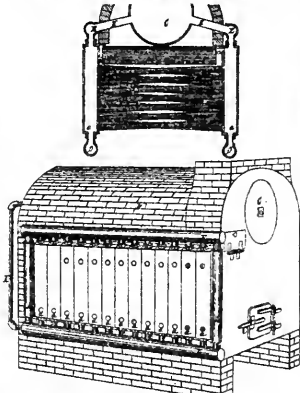


108,327D. BYARD ROTARY GRATE BAR

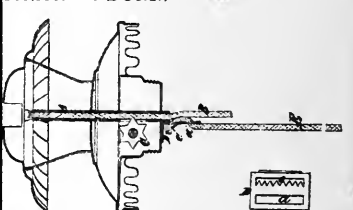
108,328. M. L. CALLENDER.  
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108,333. B. DENSMORE.

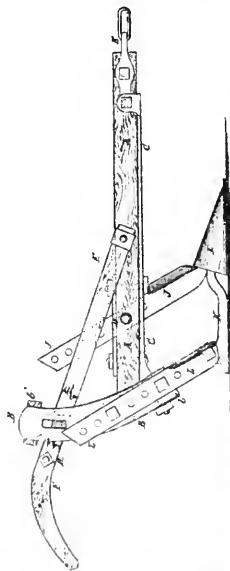
SECTIONAL STEAM GENERATOR.



108,339. J. DUNN. LAMP.

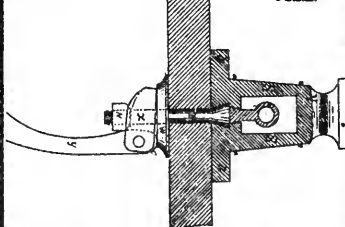


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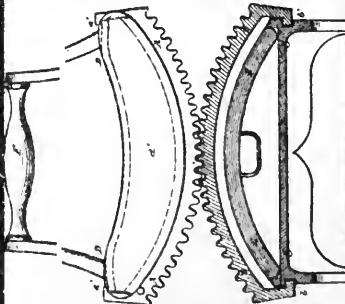
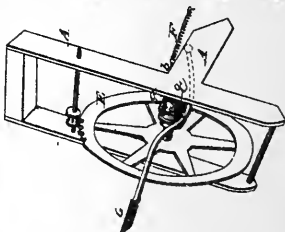


108,344D. W. DENTON ROOFING FABRIC

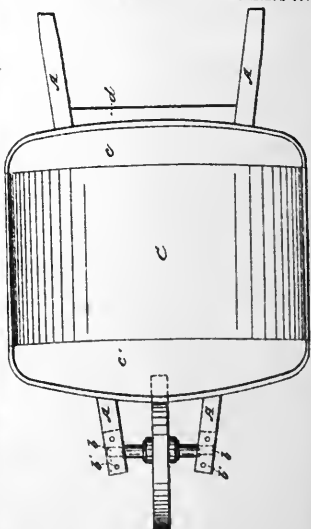
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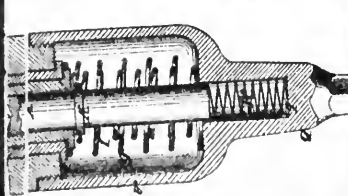
108,336. C. DION FLUTING MACHINE.

108,340. A. ECKERT.  
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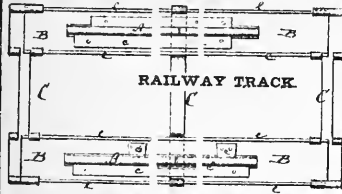
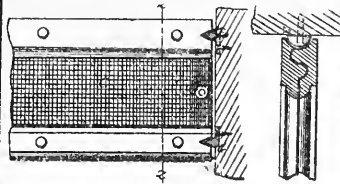
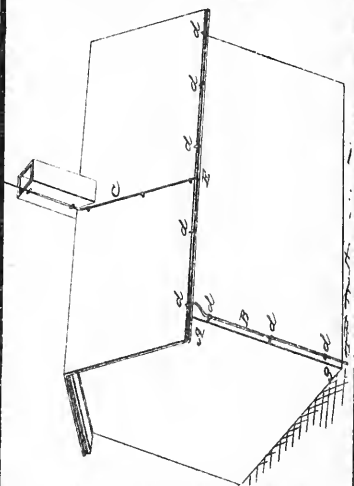
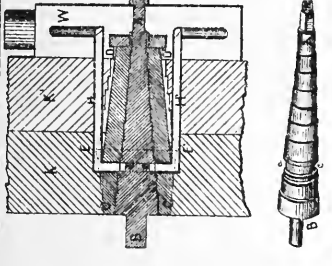
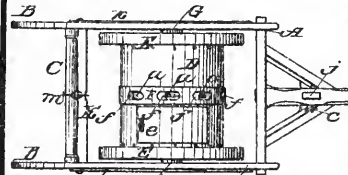
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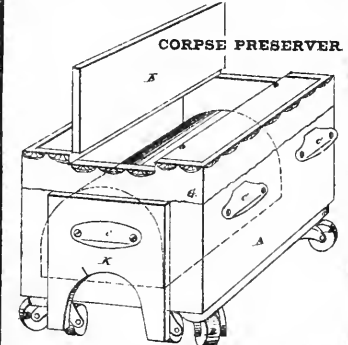
108,330. J. F. CASS. WRENCH



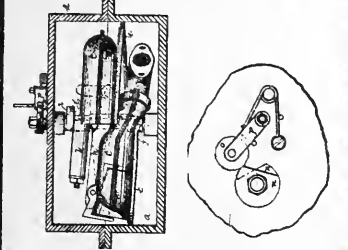
108,342. J. N. FARRAR AND J. STONE

108,348. D. GOODWILLIE.  
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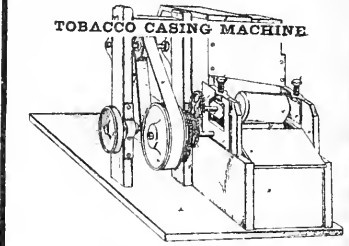
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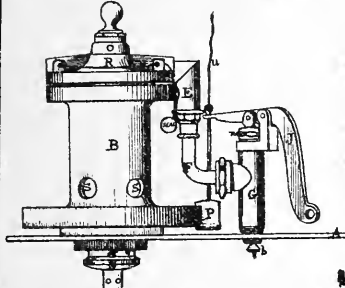
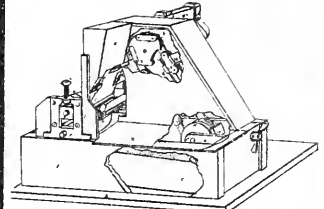
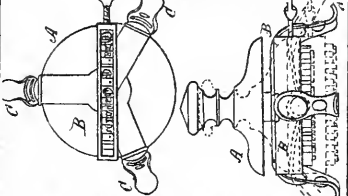
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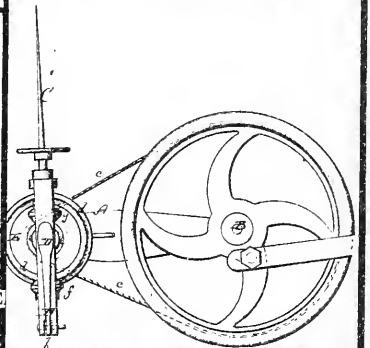
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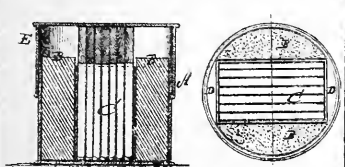
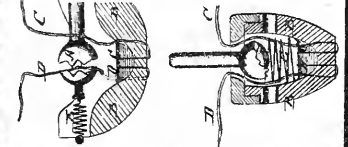
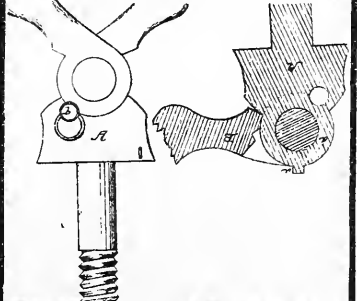
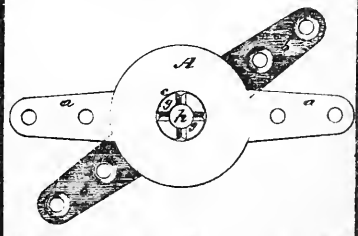
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108,351. H. H. H. GROSSKOPF.  
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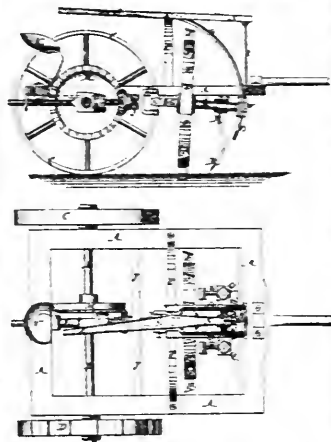
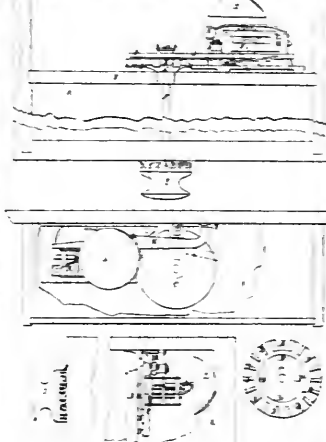
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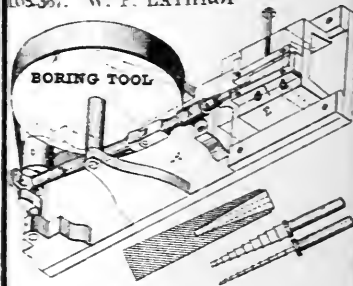
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108,352. A. GUEST.  
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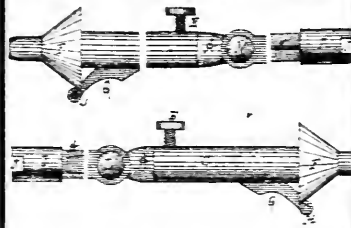
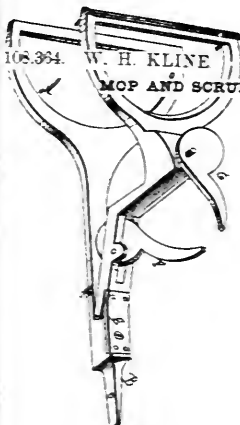


108,358. S. A. JEFFERSON SELF  
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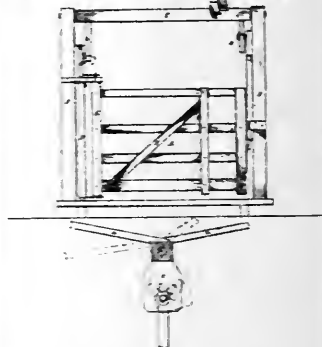
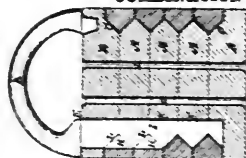
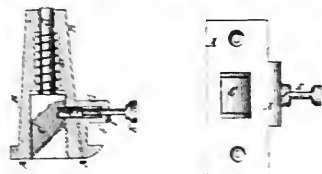
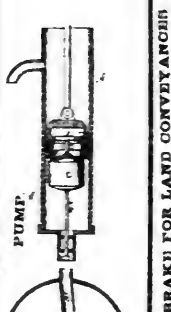
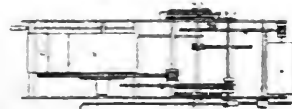
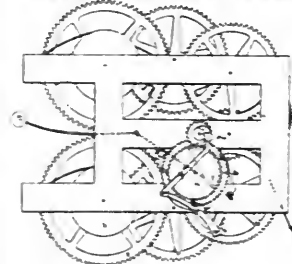
108,367. W. P. LATHROP



108,359. H. KAHN GUN CHARGER

108,364. W. H. KLINE  
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108,368. F. LIVINGSTON GATE

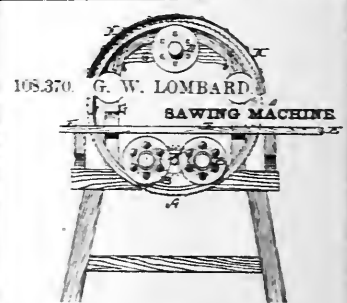
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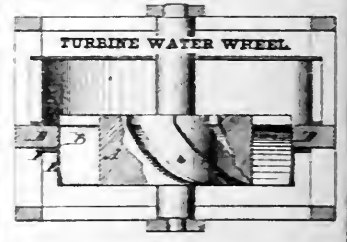
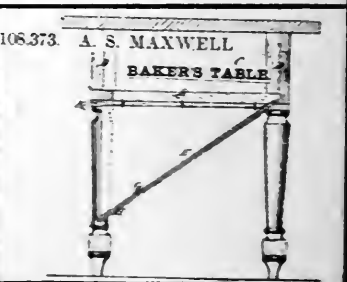
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108,366. W. T. KOHINSKI.

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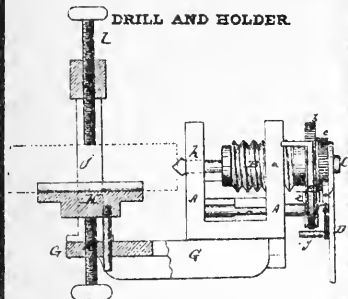
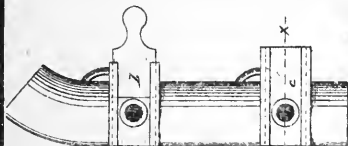
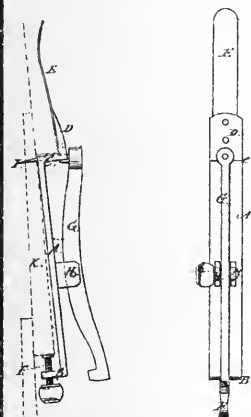
108,369. J. M. LOWENSTEIN  
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108,372. W. V. MARTIN.

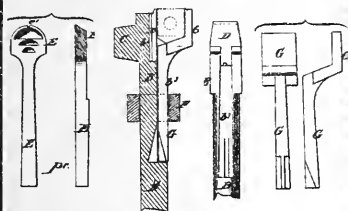
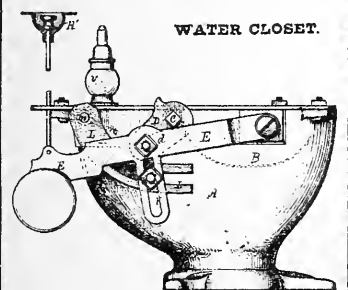
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108,374. I. McLAUGHLIN.

DRILL AND HOLDER.

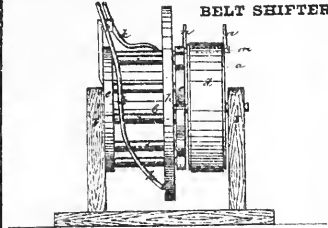
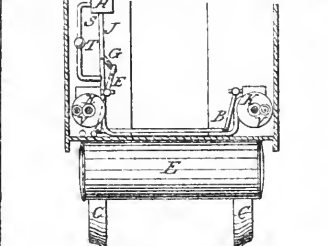
108,375. J. W. MIDDLETON.  
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108,377. G. H. MILLER COMBINED TOOL.

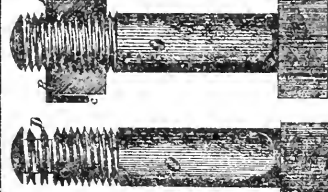
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108,379. J. E. MUTCHLER

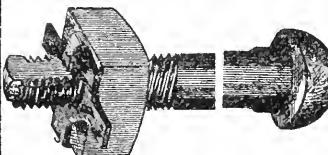
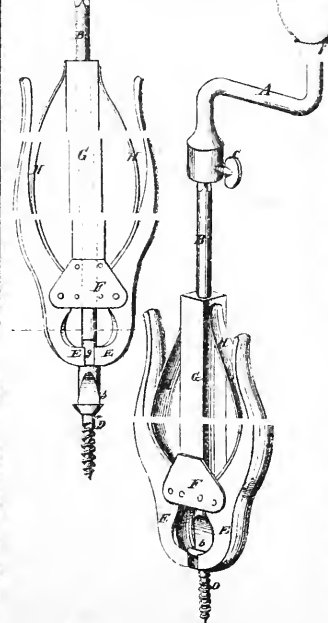
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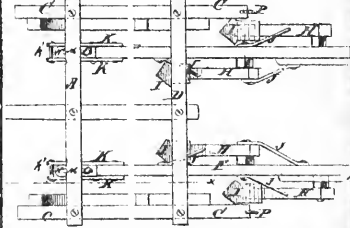
108,391. F. MYERS. NUT FASTENING.



108,392. F. MYERS. NUT FASTENING.

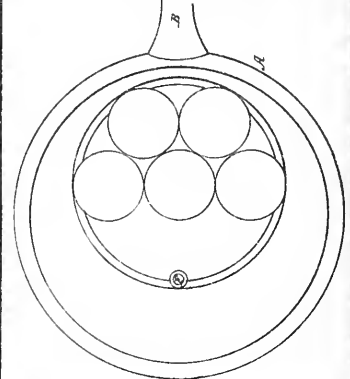
108,393. A. NEWTON.  
SCREW DRIVER.

108,384. C. P. NORTON. CULTIVATOR.

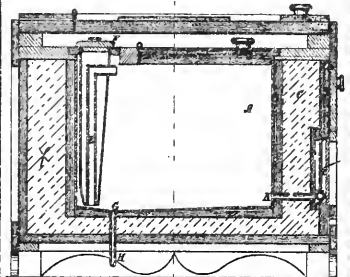
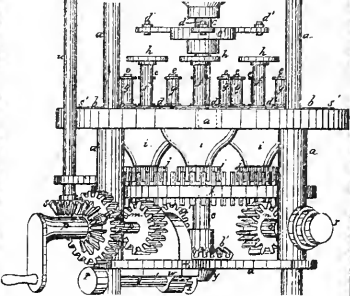


108,385. E. L. PACKARD.

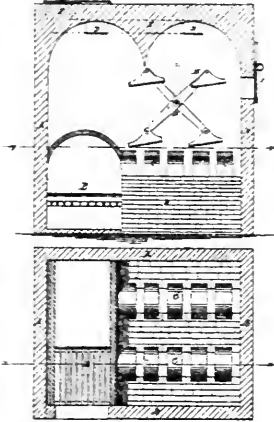
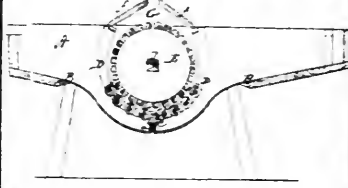
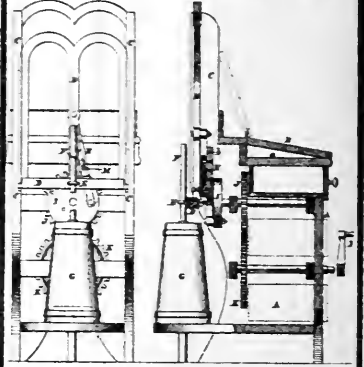
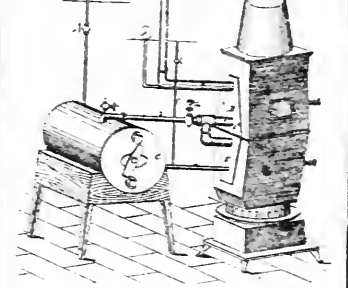
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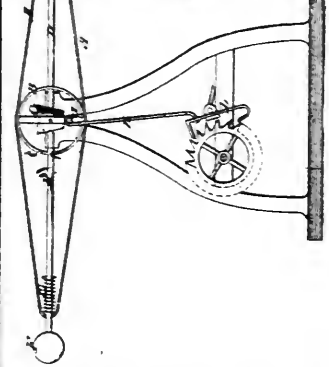
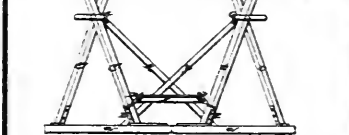
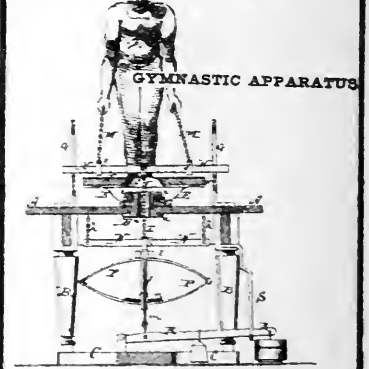
108,386. A. H. PHELPS REFRIGERATOR.

108,387. W. G. PIKE.  
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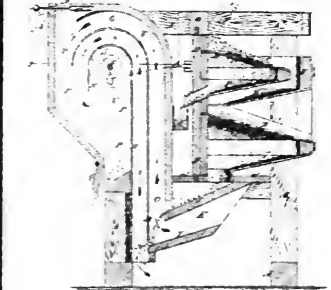
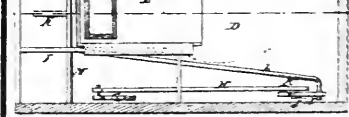
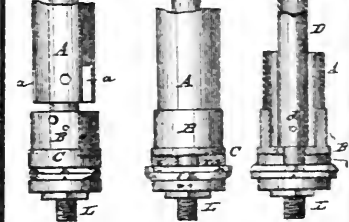
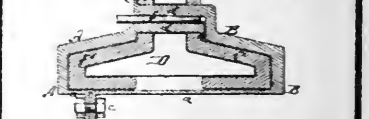
108.339. J. RAINEY. OVEN.

108.393 C. W. REEDER  
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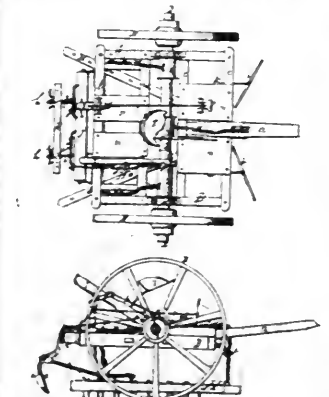
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108.395. P. J. SCHOPP APPARATUS  
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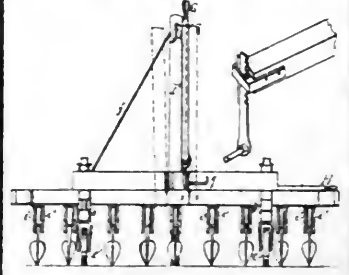
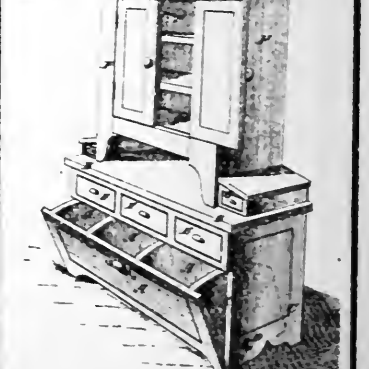
108.391 W. M. REDD GRAIN SEPARATOR

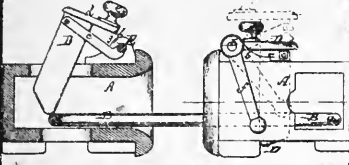
108.396. H. SHERMAN  
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108.392. T. M. REED. CULTIVATOR.

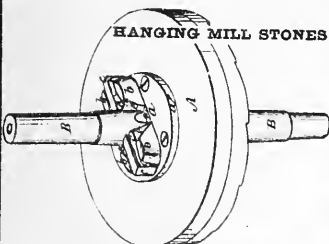


108.398. H. M. SKINNER. CULTIVATOR

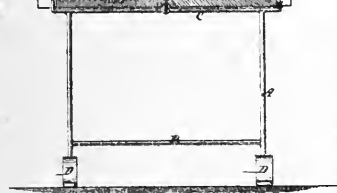
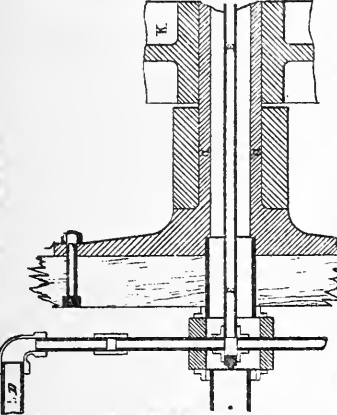
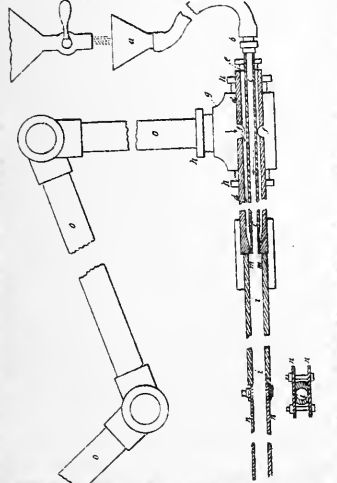
108.403. W. B. SMITH.  
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108,404W. B. SNEDAKER  
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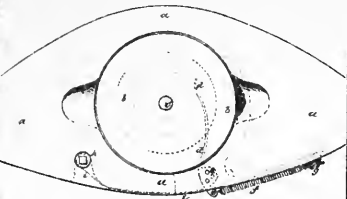
108,405. H. P. STRAUB.



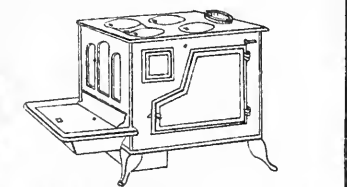
108,406. J. TAFT. TABLE.

108,407. S. THOMPSON MACHINE FOR  
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ENGRAVING STONE, METAL GLASS, &c.

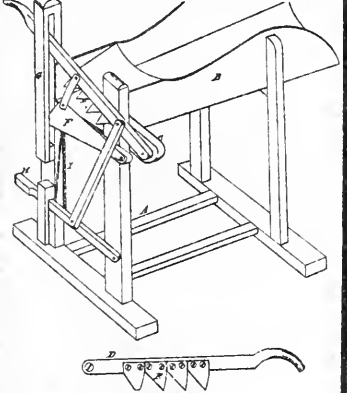
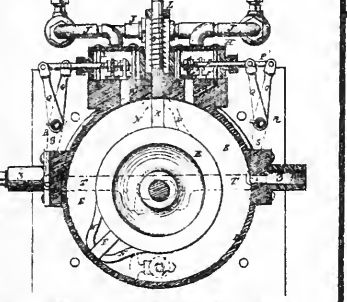
108,409. H. E. TOWLE. SHUTTLE.



108,410. A. TRAVER COOKING STOVE.



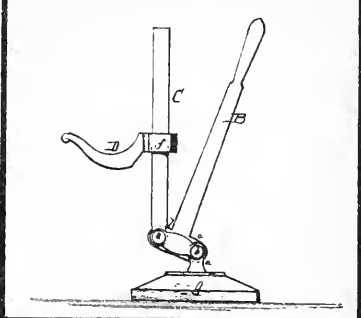
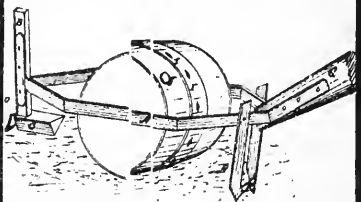
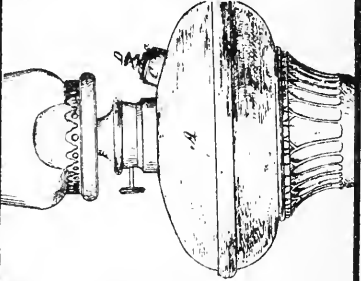
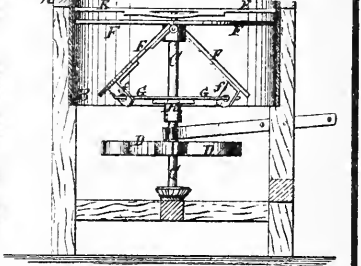
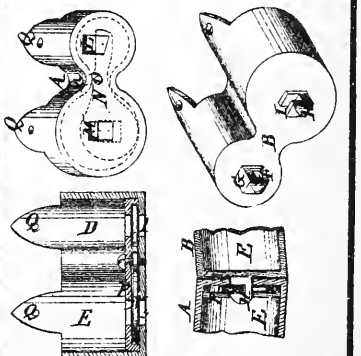
108,411. M. TUELL. STRAW CUTTER.

108,412. W. P. VICKERY.  
ROTARY STEAM ENGINE.

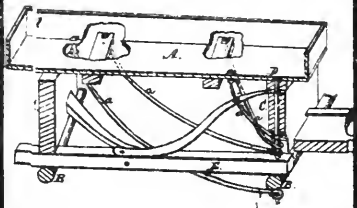
108,413. H. B. WALKER HEATING



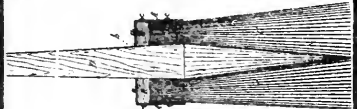
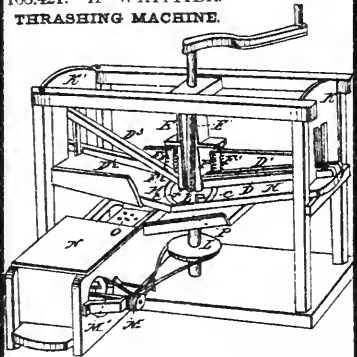
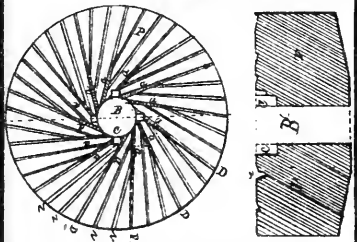
108,414. L. D. WARREN LIFTING JACK

108,415. B. H. WASHINGTON  
PLANTER AND FERTILIZER COTTON  
DISTRIBUTER.108,416. H. W. M. WASHINGTON  
SAFETY DEVICE FOR LAMPS.108,417. E. J. WEAVER.  
FLOUR BOLT FEEDER108,418. E. I. WELBOURN.  
HORSE COLLAR FASTENING.

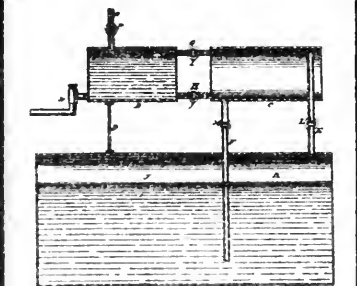
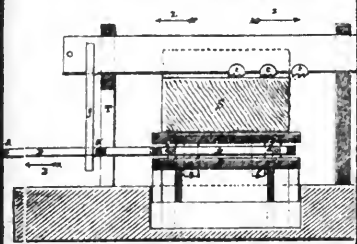
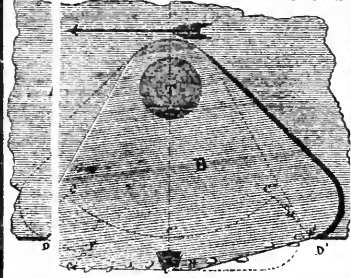
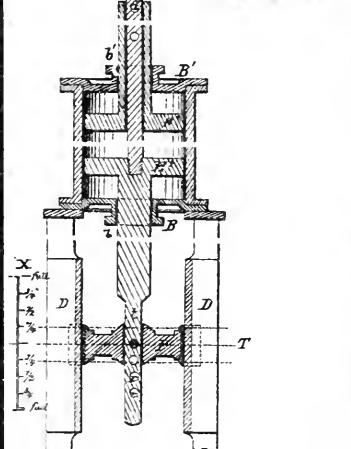
108,419. J. W. WEST. WAGON.



108,420. J. L. WHITINGPAINT BRUSH.

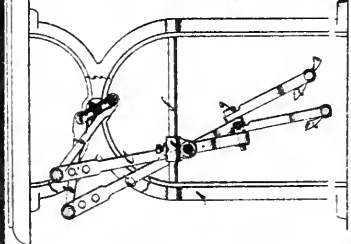
108,421. H. WHITTIER.  
THRASHING MACHINE.108,422. J. P. H. WOHLBERG  
MILLSTONE DRESS.

108,423. A. R. YOUNG BOILER FEEDER.

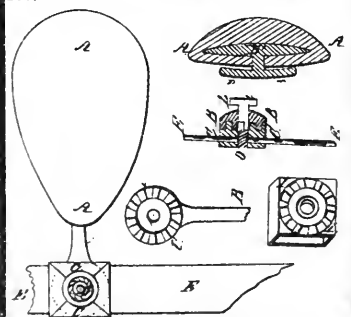
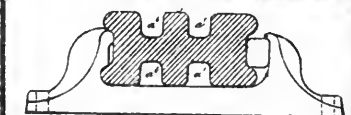
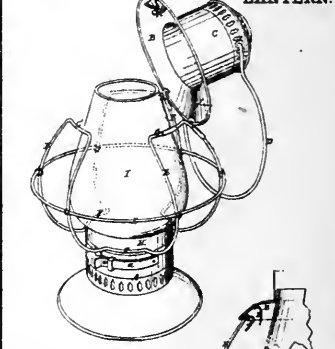
108,424. H. AND J. L. YOUNG.  
STONE CUTTING MACHINE.108,425. H. AND J. L. YOUNG  
TOOL FOR CUTTING STONE.108,426. H. AND J. L. YOUNG  
STEAM ENGINE.

108,427. A. M. ALLEN

TREADLE MOTION.

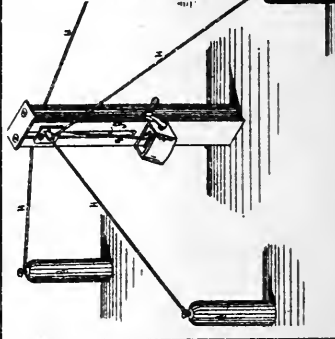
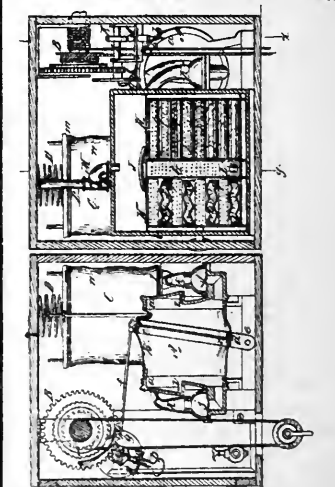
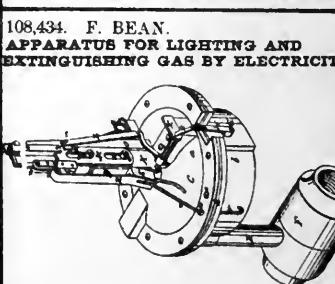


108,428. H. R. ALLEN. TRUSS.

108,429. J. ARMSTRONG METHOD OF  
FORMING BIFURCATED ENDS  
OF RAILWAY CROSSINGS.108,430. C. S. S. AND A. L. BARON  
LANTERN.

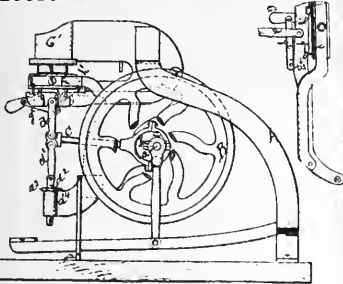
108,431. C. BARON

CLOTHES LINE OPERATOR.

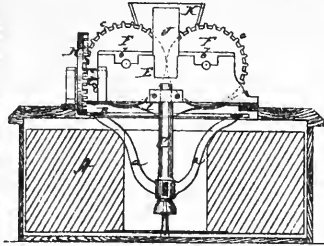
108,432. A. BARTHOLF APPARATUS  
FOR CARBURETING AIR AND GASES.108,433. E. O. BARTLETT TREATING  
THE ORES OF LEAD AND ZINC FOR  
THE MANUFACTURE OF PIGMENTS &c.108,434. F. BEAN.  
APPARATUS FOR LIGHTING AND  
EXTINGUISHING GAS BY ELECTRICITY.



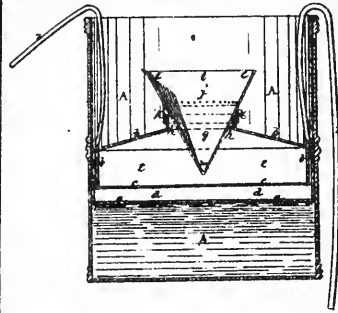
108,435. J. H. BEAN. MACHINE  
FOR CUTTING SOLES, &c., FOR  
BOOTS AND SHOES.



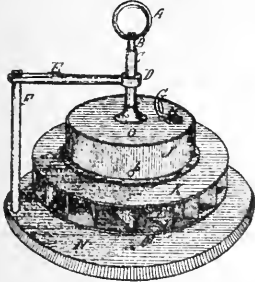
108,442. N. BRYAN.  
ATTACHMENT TO MILLS



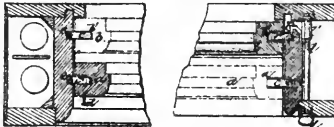
108,448. A. P. DUSSEY  
MILK AND LIQUID COOLER.



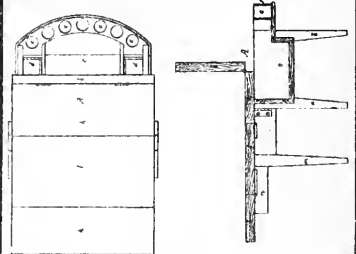
108,436. E. R. BEARDSLEY.  
TURBINE WATER WHEEL.



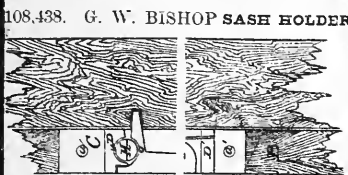
108,443. T. BULLIVANT. WINDOW.



108,449. F. M. B. CLARKWORK TABLE

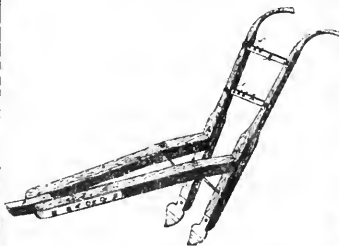


108,437. W. BERRI, JR.  
MANUFACTURE OF OIL CLOTH.

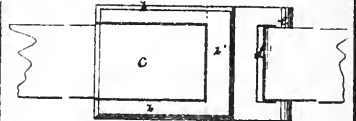


108,438. G. W. BISHOP SASH HOLDER

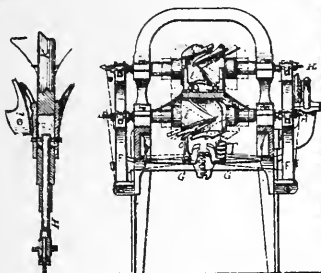
108,444. W. T. BUNN. FLOW.



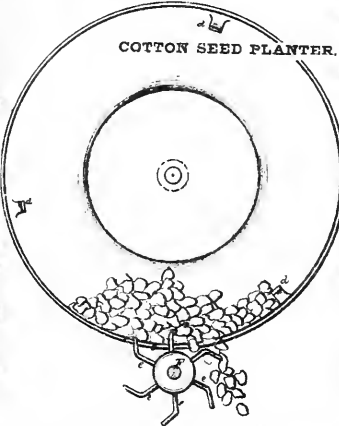
108,450 M. R. CLARKCOTTON BALE TIE.



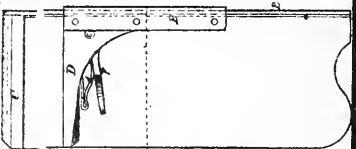
108,439. R. H. AND H. S. BOYNTON  
MACHINE FOR DRESSING SPOKES.



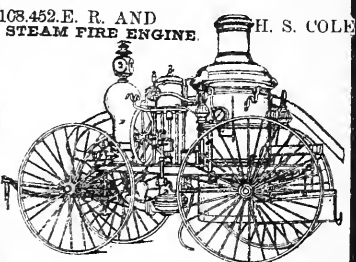
108,445. M. S. BURNS  
COTTON SEED PLANTER.



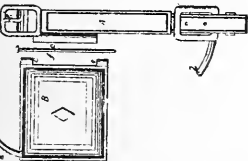
108,451. A. F. CLOUDMAN AND  
G. W. COFFIN COMPOSING STICK



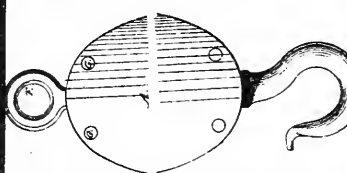
108,452. E. R. AND H. S. COLE  
STEAM FIRE ENGINE



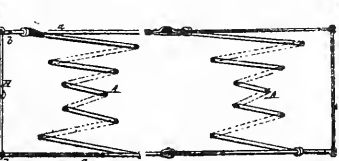
108,440. J. L. BROWN.  
BLIND FOR HARNESS BRIDLES.



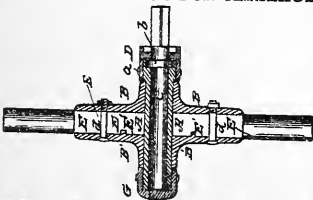
108,446. J. A. BURRHOISTING BLOCK.



108,447  
F. L. BUSHNELL BED BOTTOM.

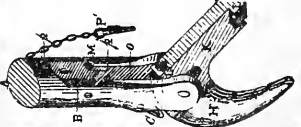


108,441. N. BRYAN.  
HUB FOR CARRIAGES.

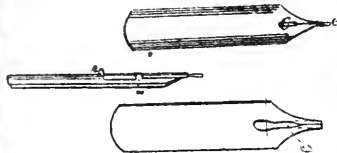


108,453. T. L. COTTEN MEDICAL  
COMPOUND FOR HOG CHOLERA

108,454. J. C. COTTINGHAM.  
BOAT DETACHING APPARATUS.

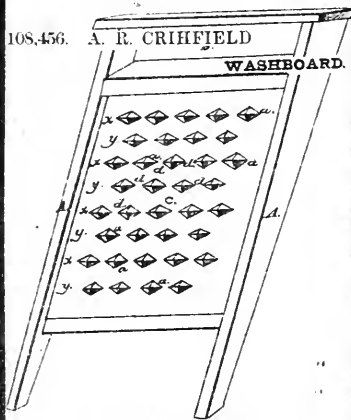


108,455. G. CRANDELL. PEN.



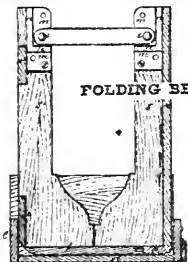
108,456. A. R. CRIEFIELD

WASHBOARD.

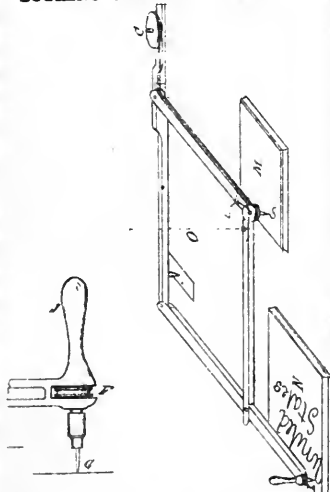


108,457. M. CROSBY.

FOLDING BEDSTEAD.

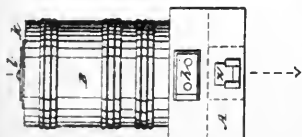


108,458. W. M. DAVIS. MACHINE FOR ORNAMENTING AND LETTERING FOR ORNAMENTING AND LETTERING LOOKING GLASSES, SIGNS &amp;c.

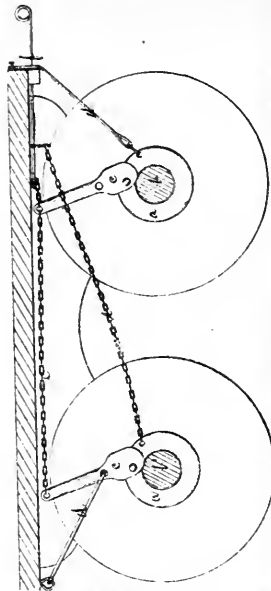


108,459. I. DE HAVEN

HEATING STOVE.

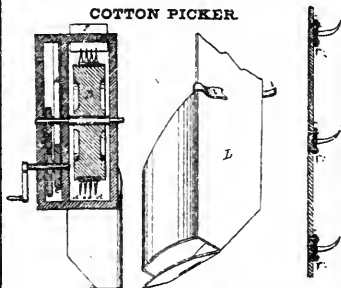


108,460. A. DICKINSON. CAR STARTER.



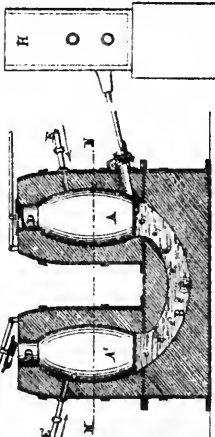
108,461. B. I. DREESON

COTTON PICKER.

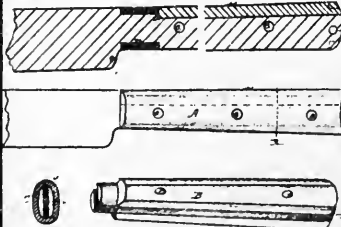


108,462. C. M. T. DU MOTAY.

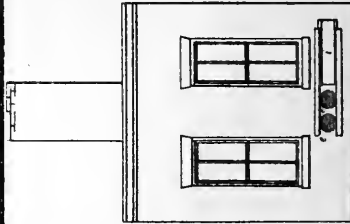
TREATING COPPER PYRITES.



108,463. E. G. DURANT. TABLE CUTLERY.

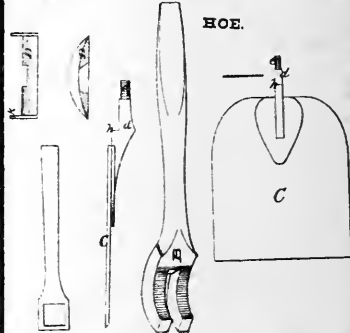


108,464. E. J. DURANT. VENTILATOR.



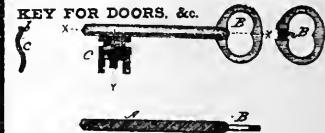
108,465. A. ELLIS AND O. ALBERTSON

HOE.



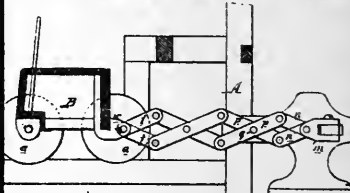
108,466. H. H. ELWELL.

KEY FOR DOORS, &amp;c.

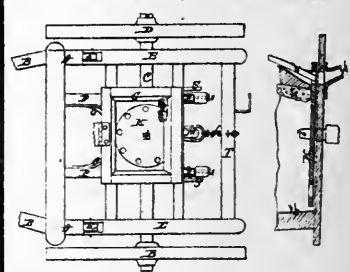


108,467. J. ENTWISTLE.

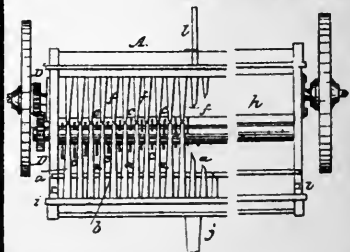
SELF ACTING MULE, &amp;c., FOR SPINNING



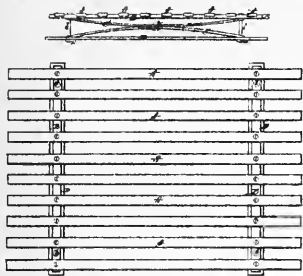
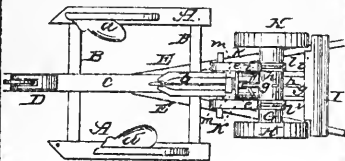
108,468. R. ERDLY. CORN PLANTER.



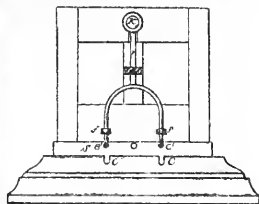
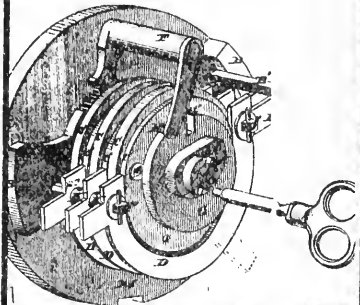
108,469. S. L. FRASER. MANURE DISTRIBUTOR AND SEED SOWER.



108,470. S. B. FREEMAN BED BOTTOM.

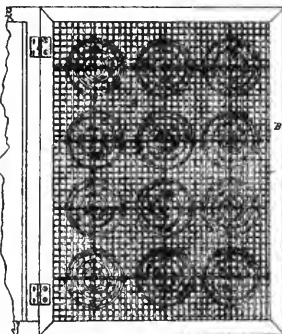
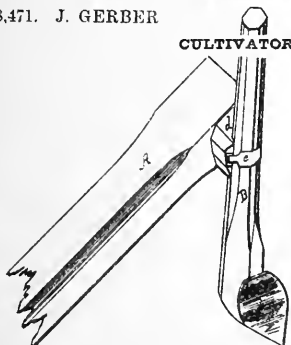
108,476. J. N. HANNON  
COTTON FLOW AND PLANTER.

108,480. C. HICKS. WEATHER STRIP.

108,477. W. B. HATCH  
SPRING CUSHION FOR CAR SEATS.108,481. J. C. HINTZ, JR.  
PERMUTATION LOCK.

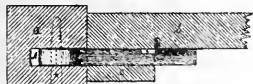
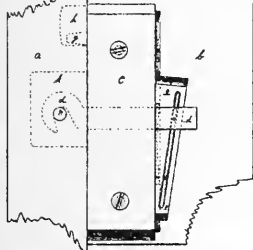
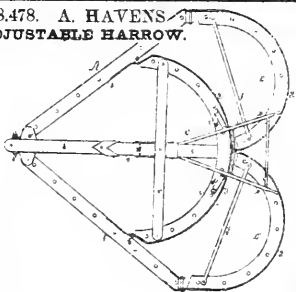
108,471. J. GERBER

CULTIVATOR.

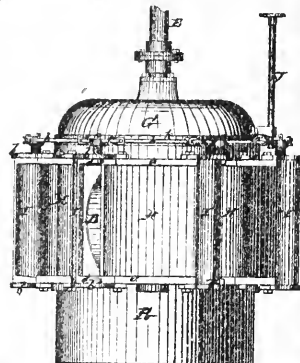


108,472. E. F. GILBERT.

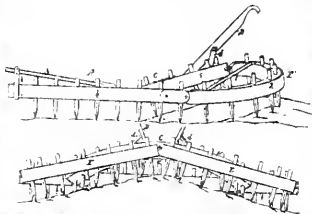
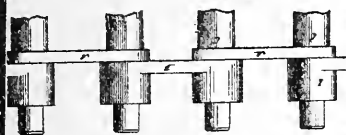
BEDSTEAD FASTENING.

108,478. A. HAVENS  
ADJUSTABLE HARROW.

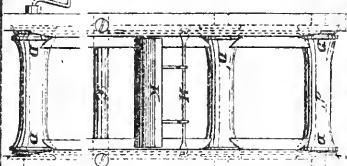
108,482 D. O. HOLMAN WATER WHEEL.



108,473. J. GOOD. CRAWL.



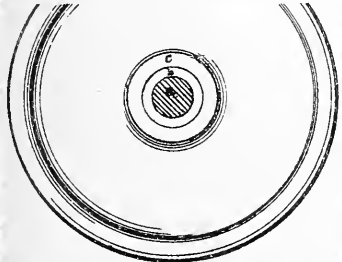
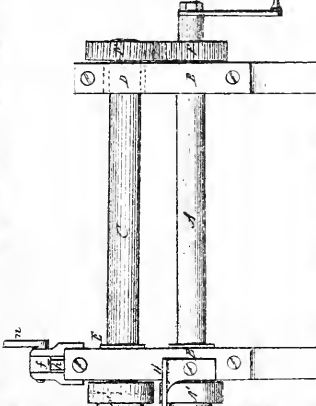
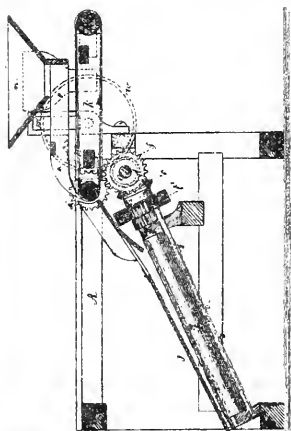
108,483. J. HUGHES. LADDER.

108,474. F. GRIFFIN AND R. TARR JR.  
COPPER PAINT FOR SHIPS' BOTTOMS &c.

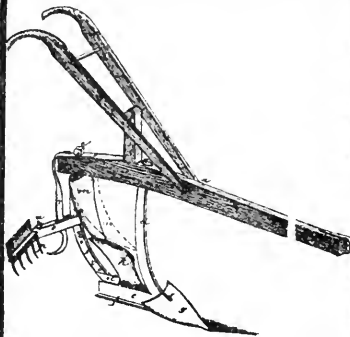
108,475

J. HAMILTON AND G. F. MORSE

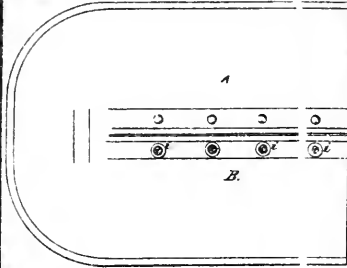
CHANGEABLE GAGE CAR WHEEL.

108,479. A. M. HEALY AND  
C. H. RAYMOND. MACHINE FOR  
MARKING CARPENTERS'  
SQUARES.108,484. M. C. JEFFERS  
CORN HUSKING MACHINE.

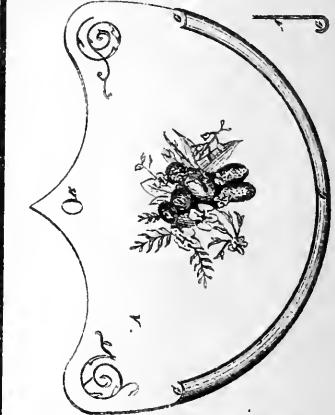
108,485 J. H. JOHNSON SUBSOIL PLOW.



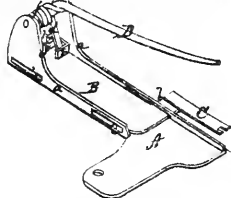
108,491. H. T. LEE SHOE FASTENING



108,497 B. K. MALTBY WALL PROTECTOR



108,486. A. JOHNSTON. RUFFLING ATTACHMENT FOR SEWING MACHINES.



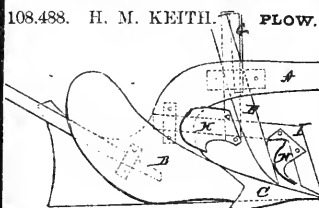
108,492. A. M. LESLIE. RUFFLER FOR SEWING MACHINES.



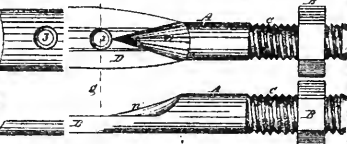
108,498. H. S. MALTBY



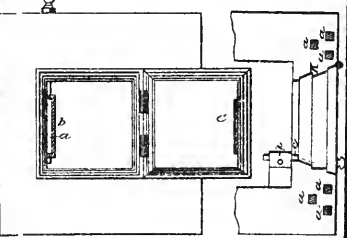
108,487. M. L. KEEN. MANUFACTURE OF PAPER STOCK



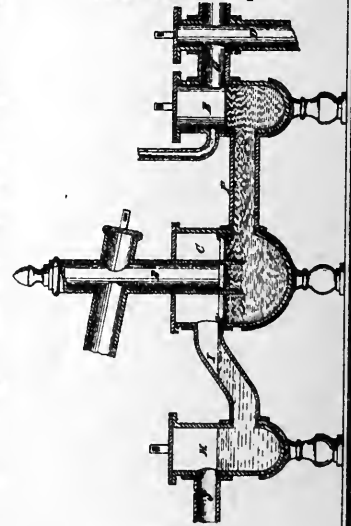
108,493. W. J. LEWIS AND H. W. OLIVER, JR. STRAP BOLT FOR WAGON BEDS.



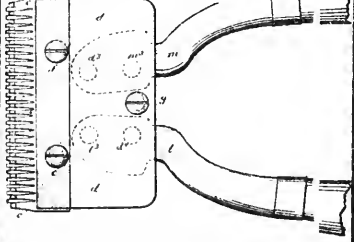
108,494. L. LILLIE. IRON SAFE.



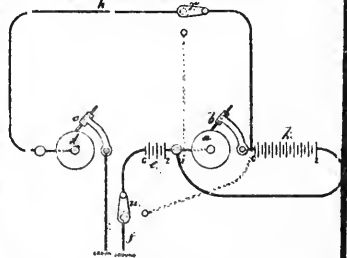
108,499. E. D. McCracken APPARATUS FOR SEPARATING GAS TAR AND AMMONIACAL LIQUOR.



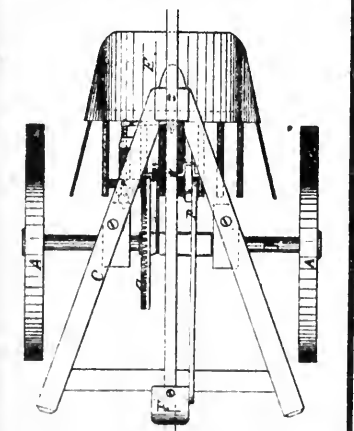
108,489. H. KNIGHT INSTRUMENT FOR CLIPPING OR SHEARING HORSES, &amp;c.



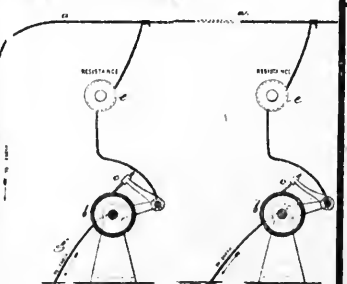
108,495. G. LITTLE ARRANGEMENT OF ELECTRICAL CIRCUITS FOR AUTOMATIC TRANSMITTING INSTRUMENTS.



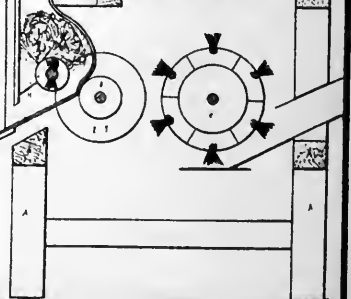
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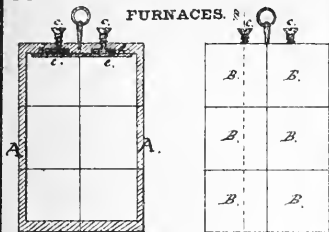
108,496. G. LITTLE. CHEMICAL TELEGRAPH.



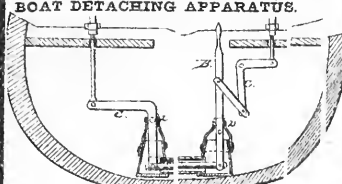
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108,501. S. McLAUGHLIN SLIDE DOOR  
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FURNACES.



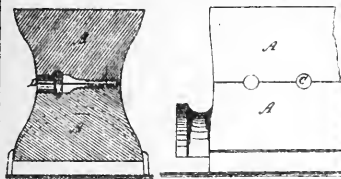
108,507. M. V. NOBLES  
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108,514. POEY  
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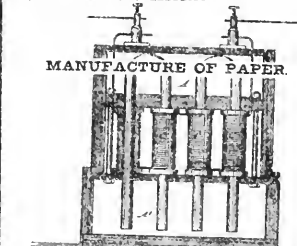
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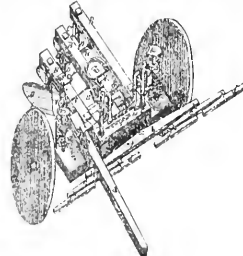
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108,509. C. E. O'HARA

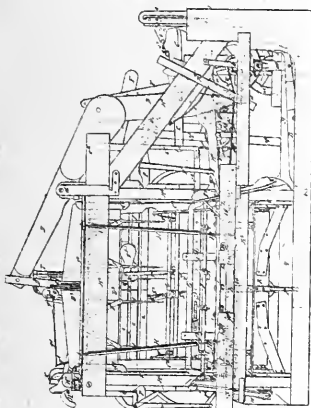
MANUFACTURE OF PAPER



108,516. J. L. PURCELL GANG PLOW.

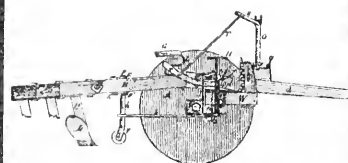
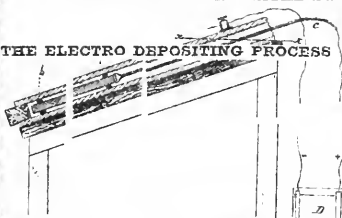


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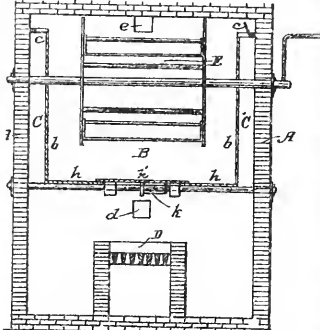


108,510. D. D. PARMELEE COATING  
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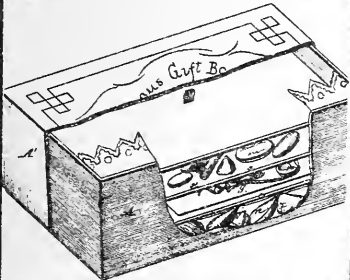


108,517. J. RAYNEY BAKERS OVEN.

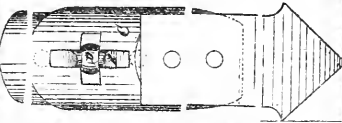


108,504. E. MILLER. MEDICINE.

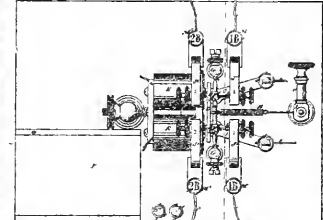
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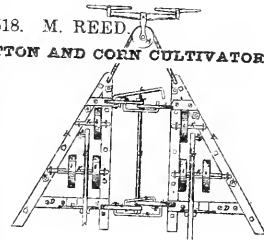
J. PIERPONT AND S. S. TUTTLE  
108,512 FASTENING FOR SHOVELS FOR  
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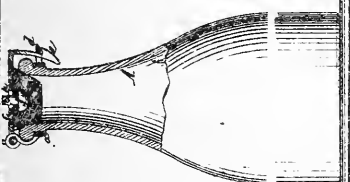
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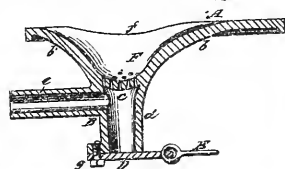
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108,506. W. MORGENSTERN  
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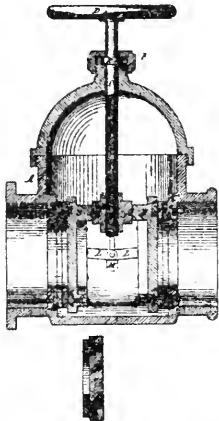
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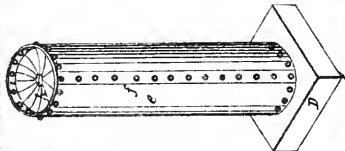


108,520. W. SACKERMANN  
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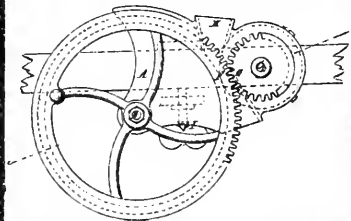
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108,523. W. W. SANBORN  
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108,524 W. B. SCAIFE KITCHEN BOILER.

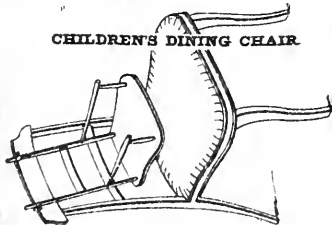
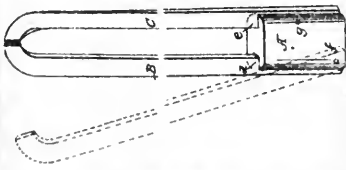


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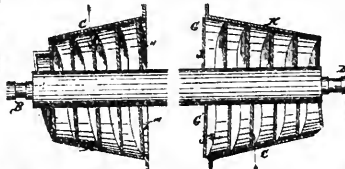
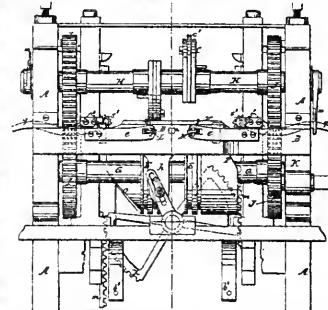


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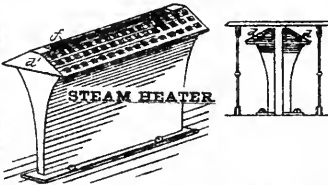
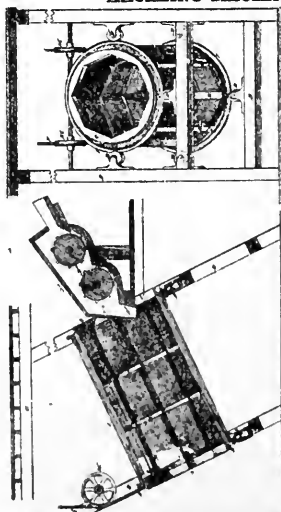
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108,527. A. D. SMITH  
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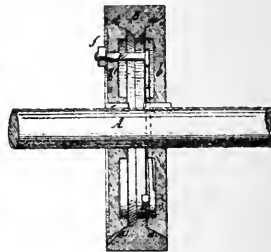
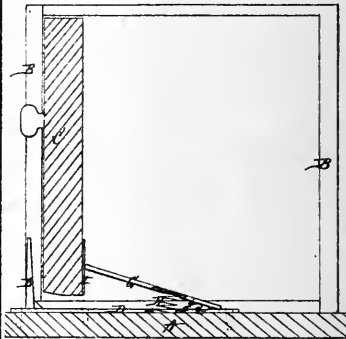
108,529 J. W. SNYDER WATER WHEEL.

108,530. J. H. SNYDER.  
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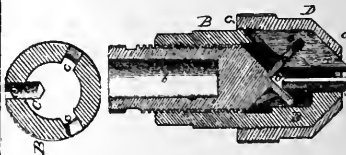
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108,532 G. B. STACY.  
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108,533. J. STEGER FRICTION PULLEY.

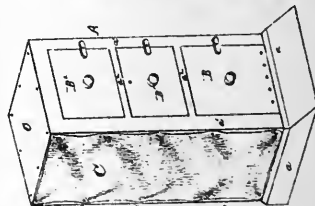
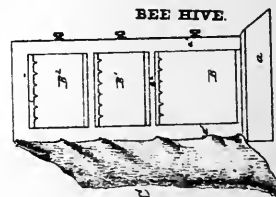
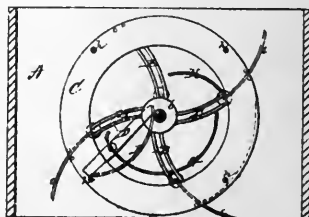
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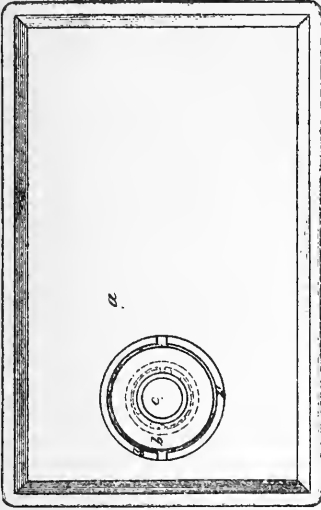


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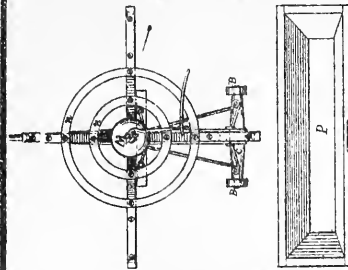
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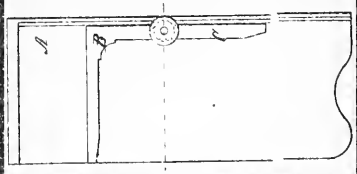
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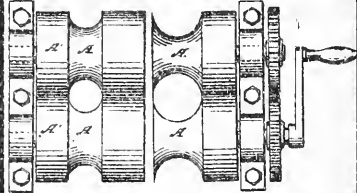
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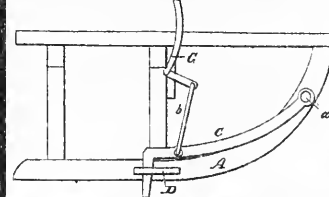
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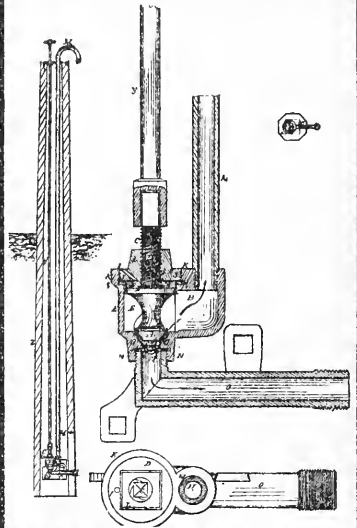
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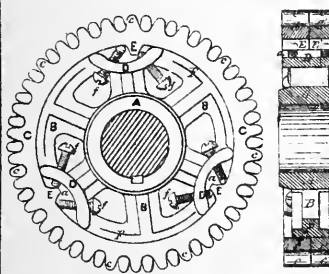
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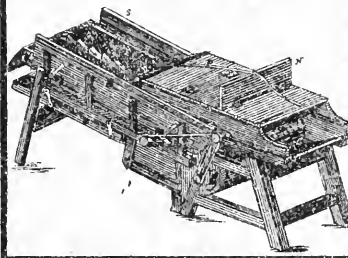
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108,539. W. H. WARD. ADJUSTABLE GEAR WHEEL.

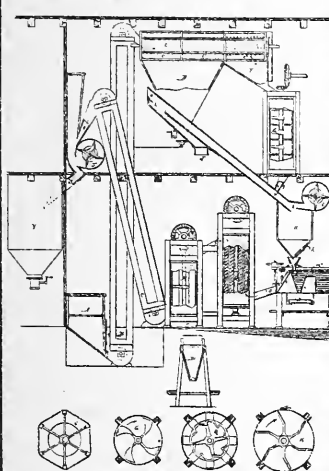


108,546. A. WISSLER. SEPARATOR OF THRASHING MACHINES.

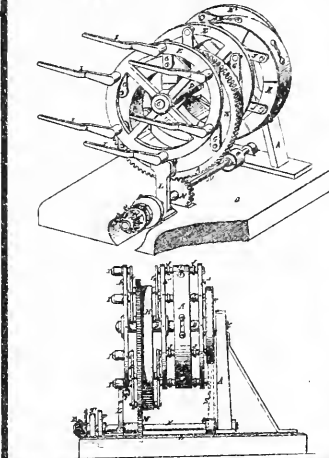


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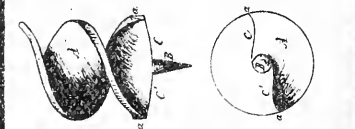
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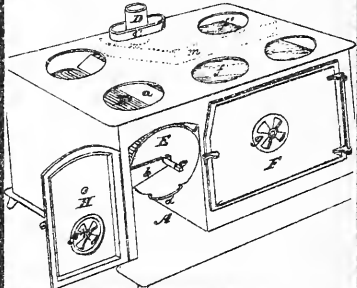
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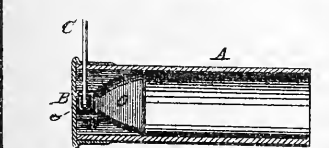


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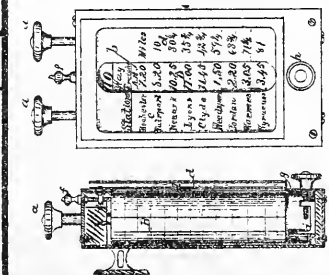


108,542. C. S. WELLS. MANUFACTURE OF BOXES, CARTRIDGE CASES, &amp;c.

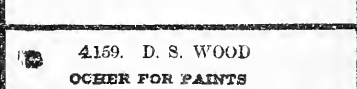
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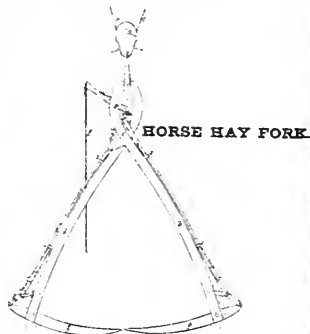
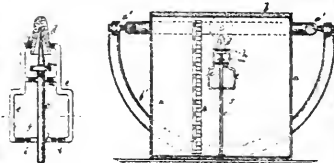
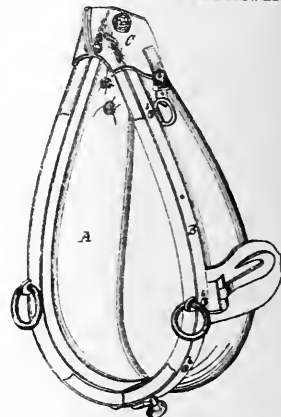
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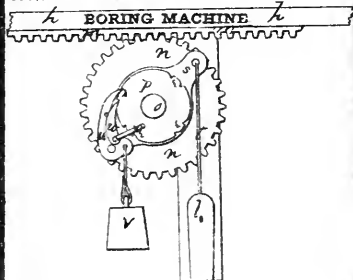
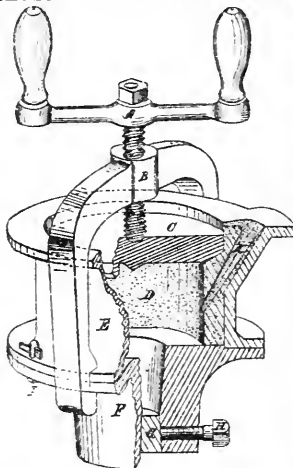
## THE UNITED STATES PATENT OFFICE

OCTOBER 25, 1870.

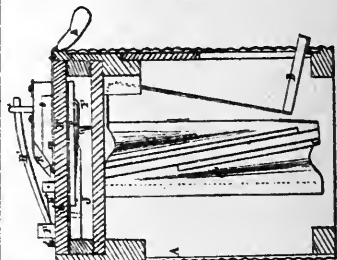
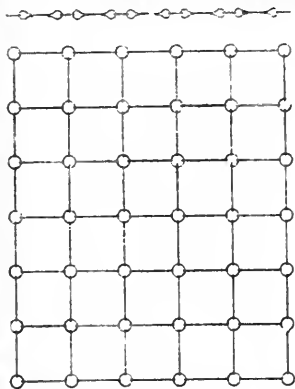
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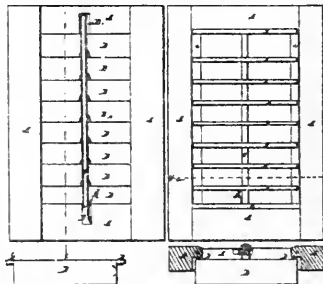
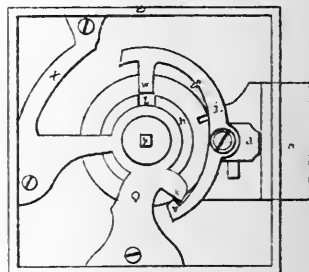
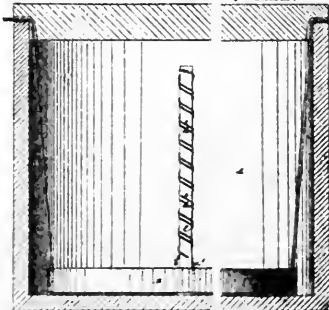
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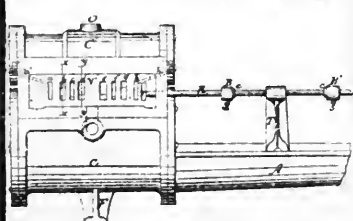
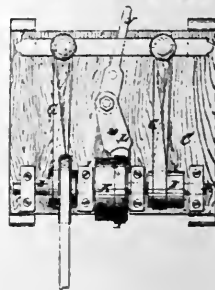
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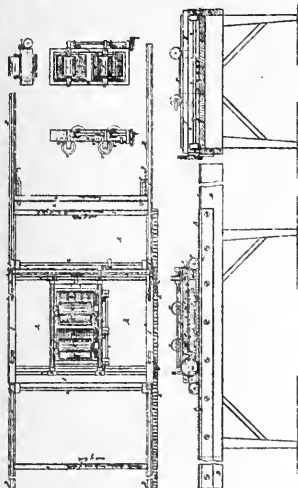
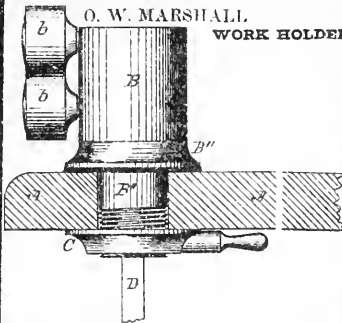
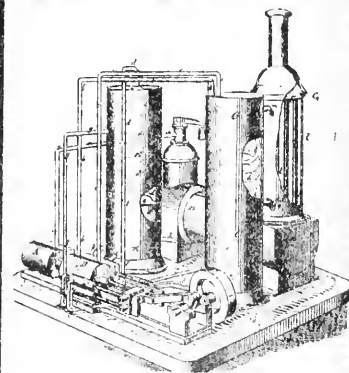
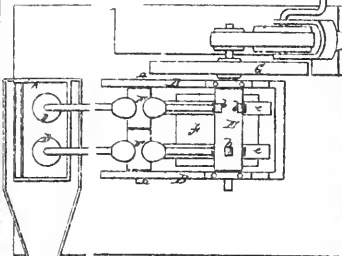
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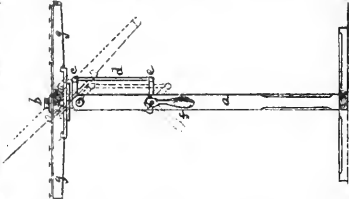
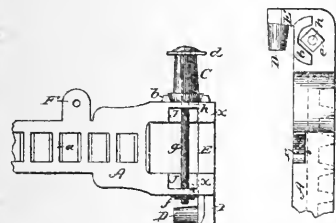
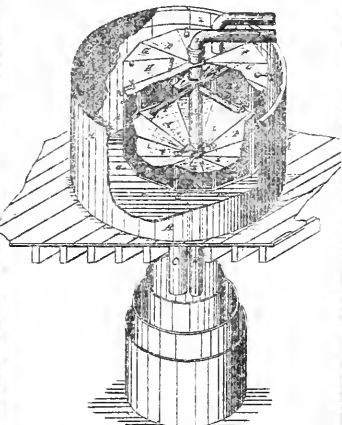
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108,554. G. F. BLAKE. STEAM PUMP.

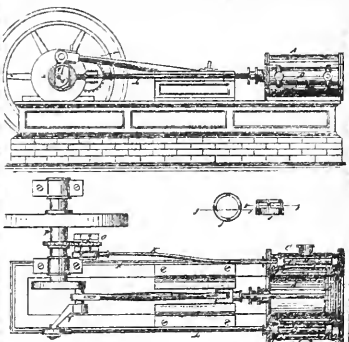
108,562. J. B. BROWN.  
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108,563. A. F. BUCHANAN.  
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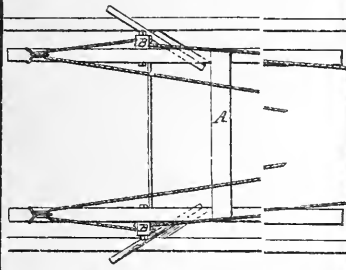
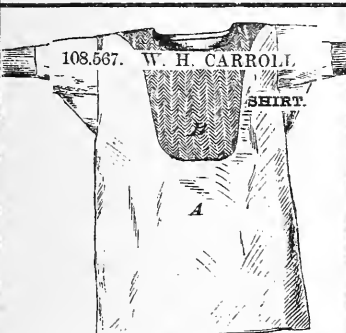
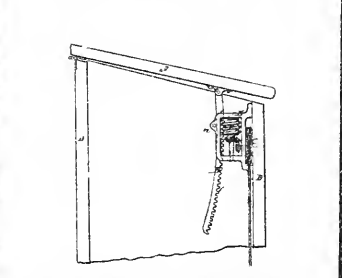
108,575. J. EMMERT. CLOTHES DRIER.

108,564. G. E. BURT. LINK FOR  
ENDLESS CHAIN HORSE POWER108,571. C. W. DWELLE.  
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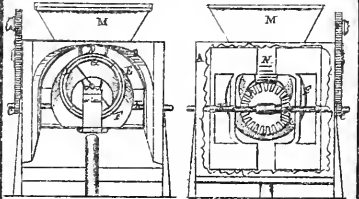
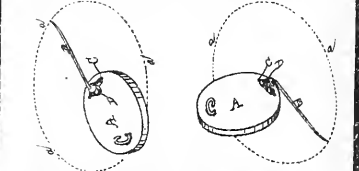
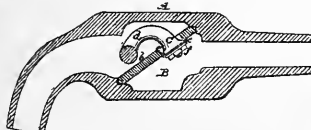
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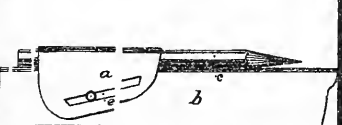
108,565. A. M. BUTTS. SNOW PLOW.

108,566. A. C. CAMPBELL.  
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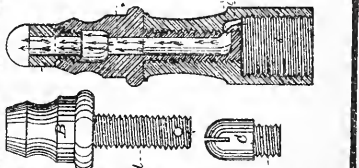
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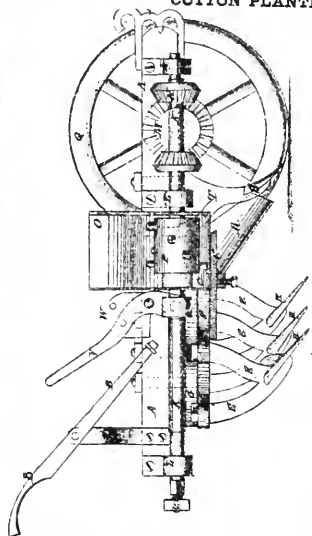
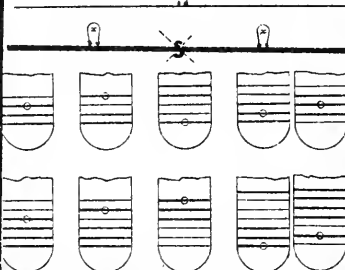
108,578. I. FARJEON AND  
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108,573. C. A. EATON PENCIL HOLDER.

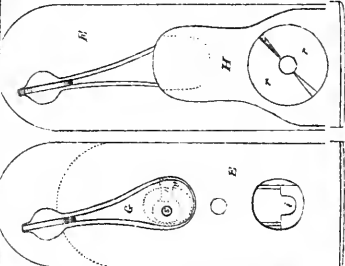


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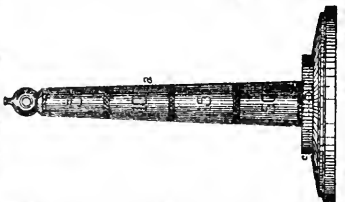
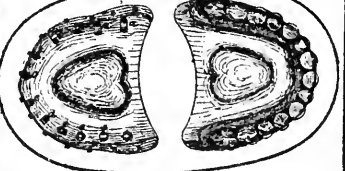
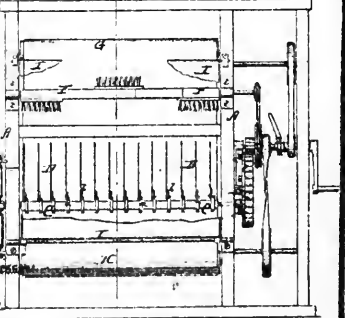
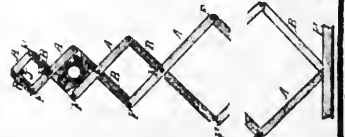


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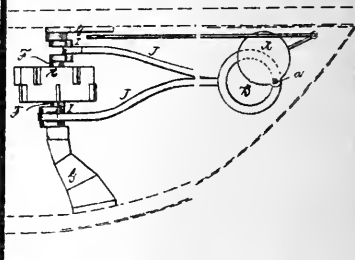
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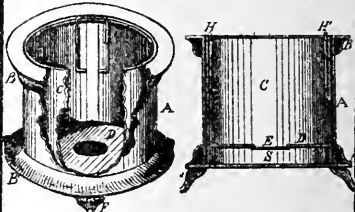
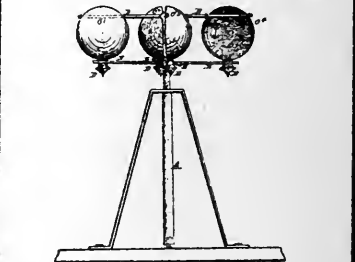
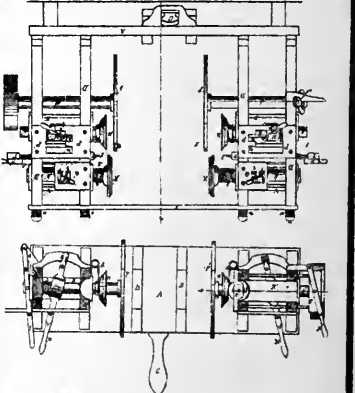
108,587. D. F. HALE. GAME.

108,588. H. B. HALE.  
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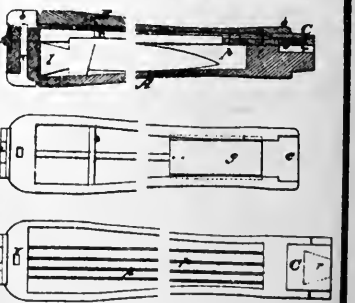
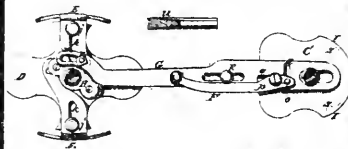
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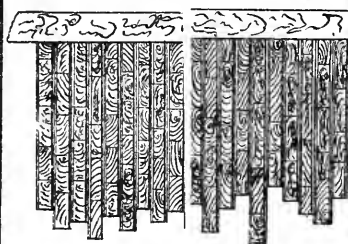
108,592. J. M. HESS. FLOWER CASKET.

108,593. J. O. HEYWORTH AND  
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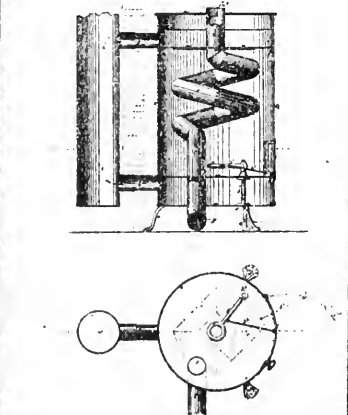
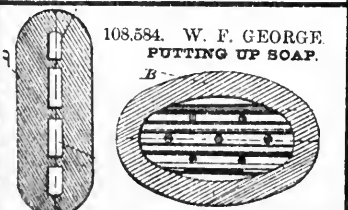
108,595. I. L. HOARD. THREAD SPOOL.

108,596. D. R. HUNDLEY.  
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108,582. C. GAYTES WOOD PAVEMENT.

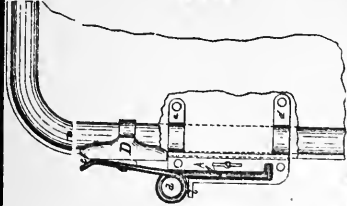


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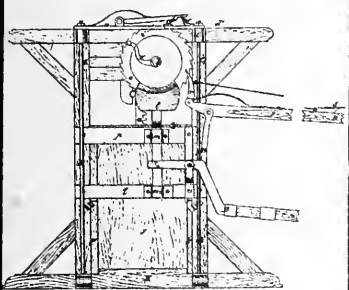
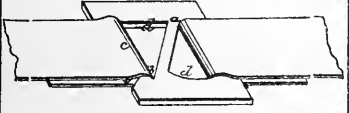
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PUTTING UP SOAP.



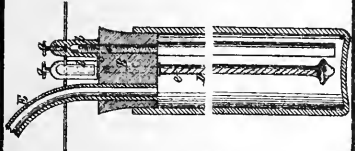
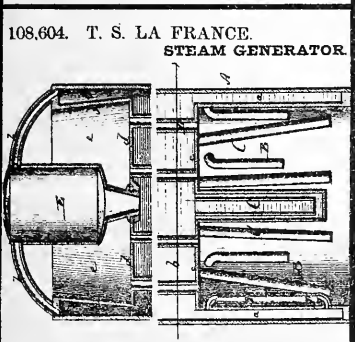
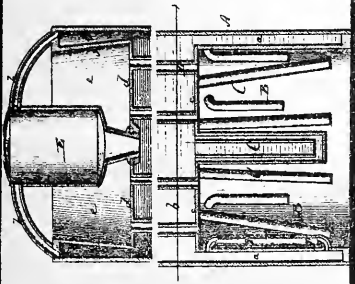
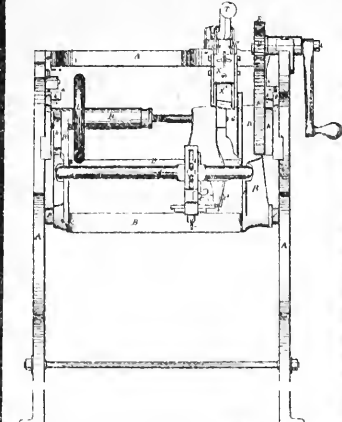
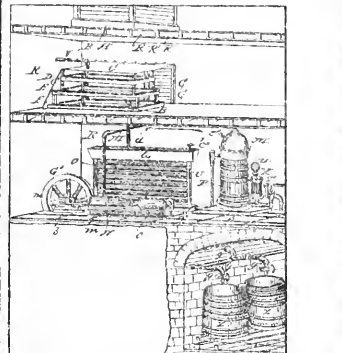
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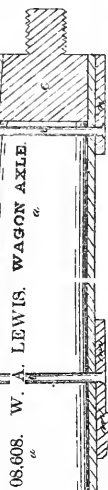
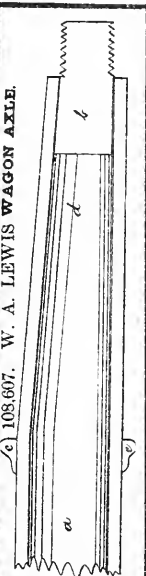
108,598. G. W. IRISH. CAR COUPLING.

108,599. J. H. JOHNSON  
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108,602. J. KIDDER. GALVANIC BATTERY.

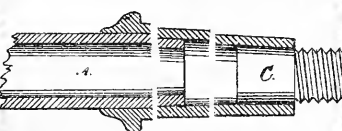
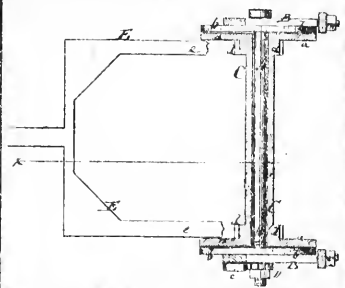
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108,607. W. A. LEWIS. WAGON AXLE.

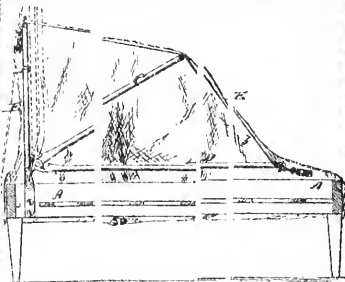
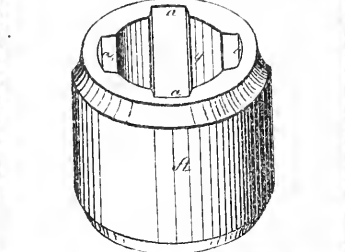


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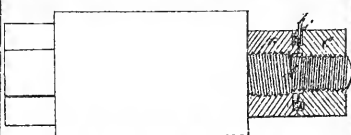
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108,610. A. J. MAPES. TONGUE  
BRACE AND BALANCE FOR WAGONS.

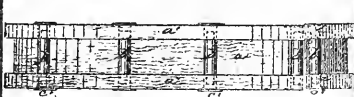
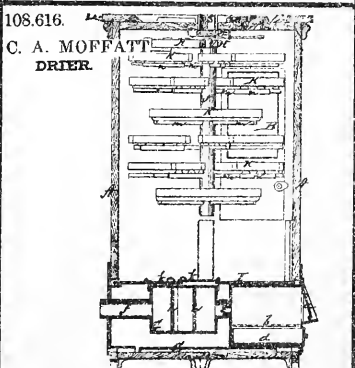
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108,612. J. A. MAYNARD.  
HUB FOR CARRIAGES.

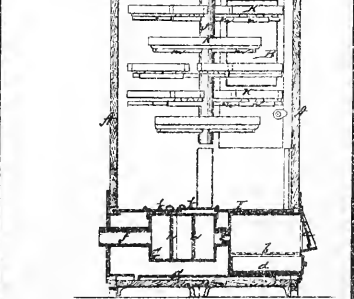
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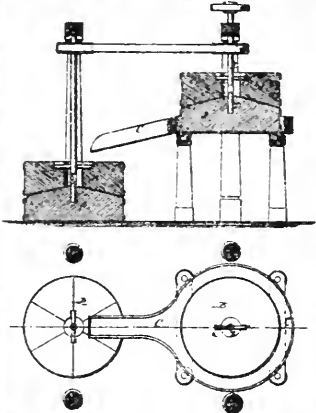
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108,615. C. McILVAINE.  
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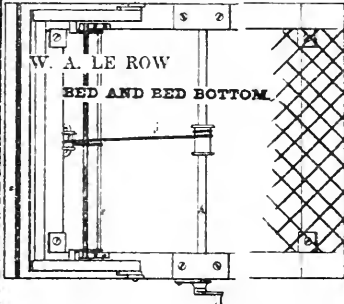
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C. A. MOFFATT.  
DRIER.

108.617 F. C. MORSEORE PULVERIZER

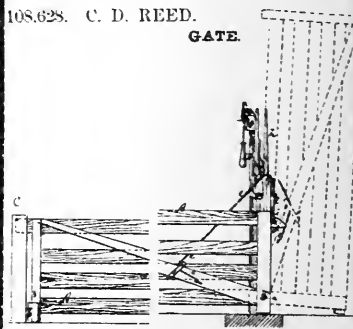


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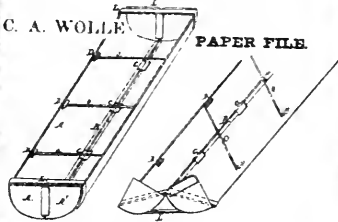
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REMOVING SOLUBLE SALTS FROM  
ARTIFICIAL STONE

108.628. C. D. REED.

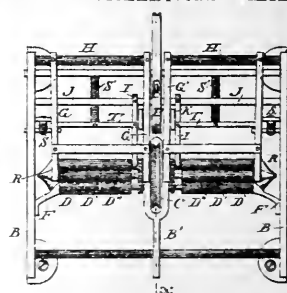
GATE.



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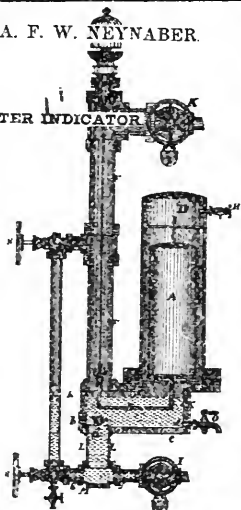
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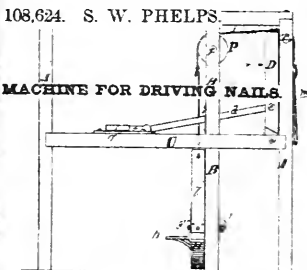
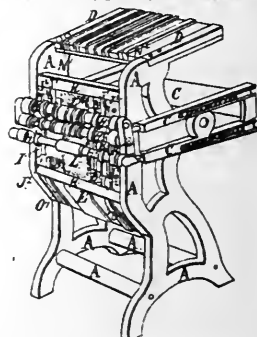
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LOW WATER INDICATOR



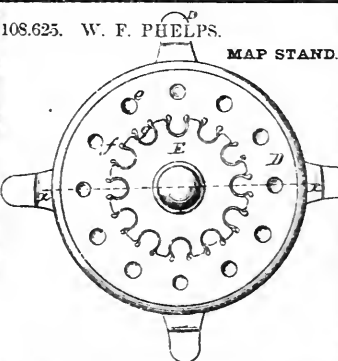
108.624. S. W. PHELPS.

MACHINE FOR DRIVING NAILS.

108.630. I. L. G. RICE. INKING  
APPARATUS FOR COLOR PRINTING108.619. G. C. NOYES.  
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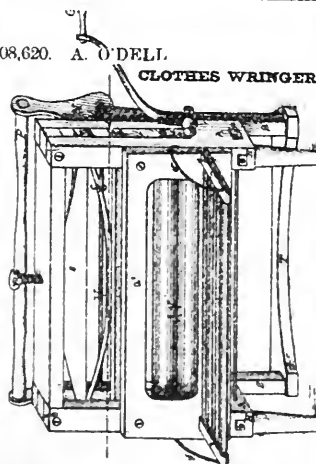
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MAP STAND.

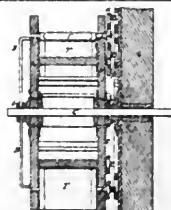
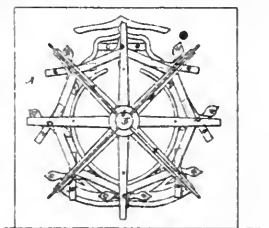
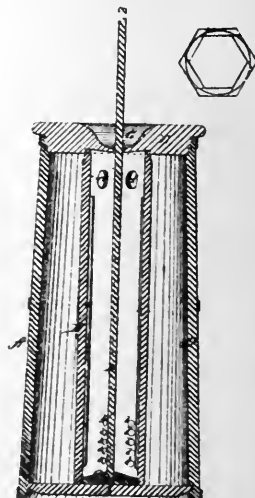
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L. TAYLOR. CHURN.

108.620. A. O'DELL.

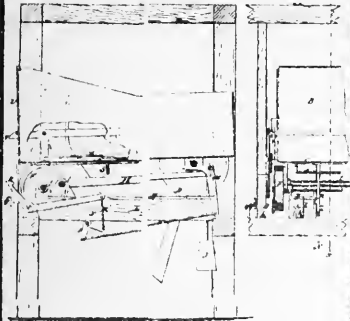
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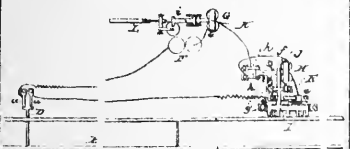
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108.621. D. A. PELOUBET.  
CHAIN LINK AND BAR.

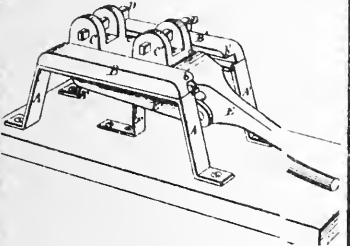
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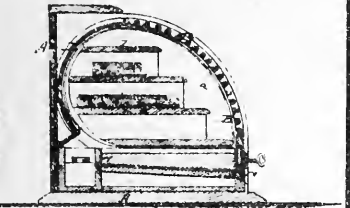
108,633. W. ROBINSON. ELECTRO MAGNETIC RAILROAD SIGNAL.



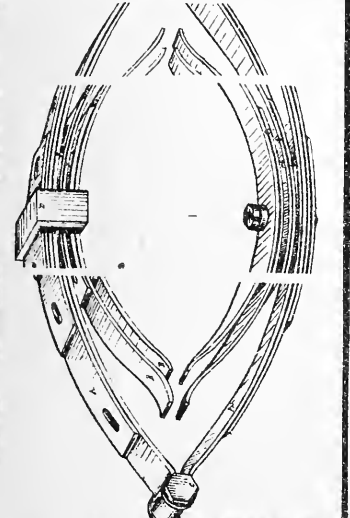
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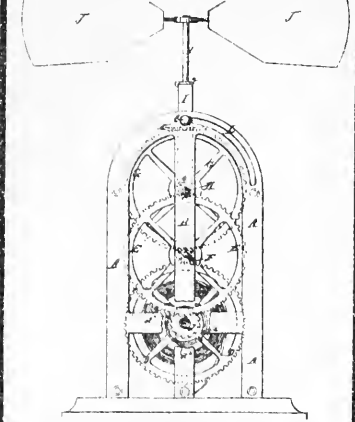
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108,636. J. M. SCHMIDT. SPRING.



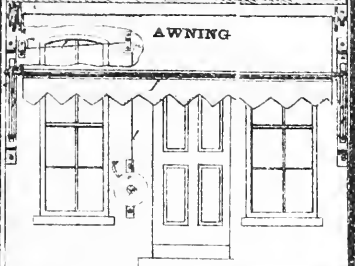
108,637. J. SCHNELL AND P. SCHMITT. AUTOMATIC FAN.



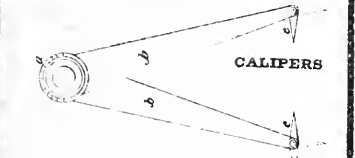
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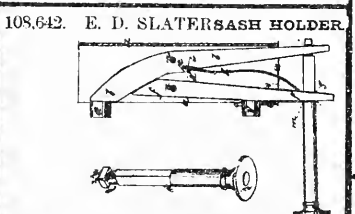
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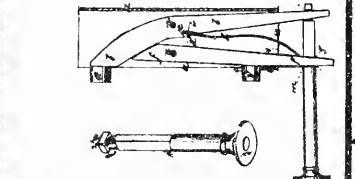
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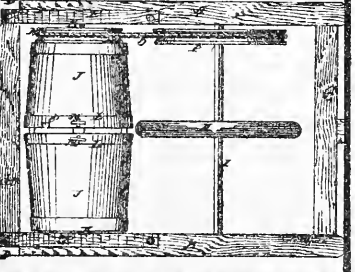
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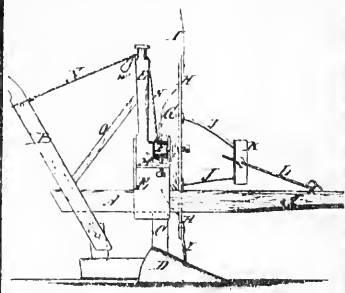
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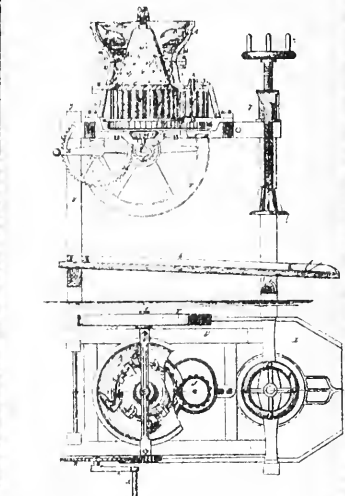
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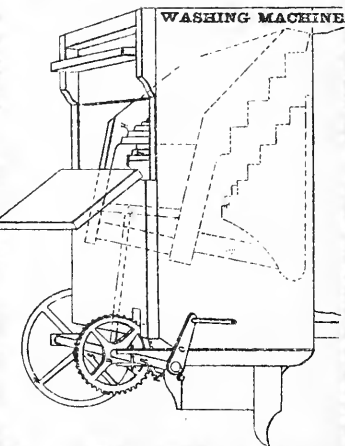
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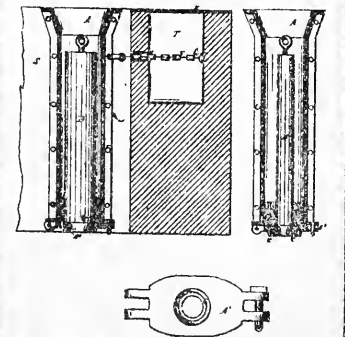
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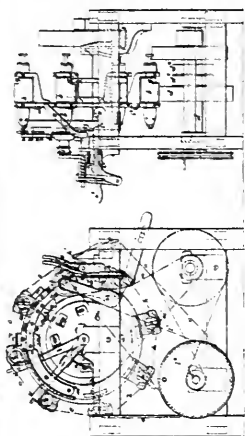
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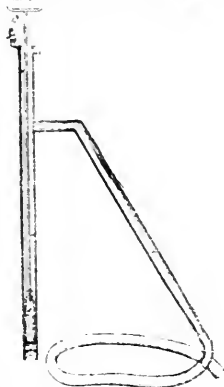
108,647. W. SMITH. MOLDING PIPE.



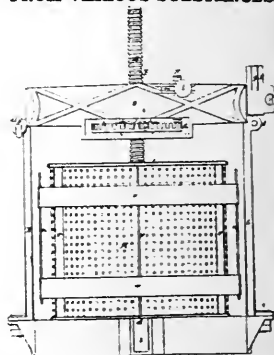
108,648J. F. STARRETT  
MACHINE FOR SHAVING THE HEADS  
OF SCREW BLANKS



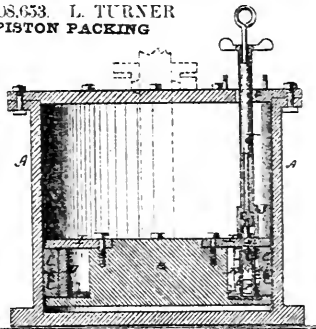
108,652. T. J. TRAPP. PUMP SIPHON.



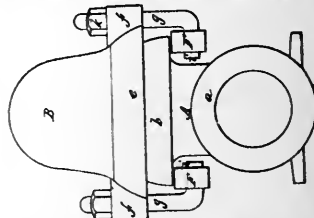
108,657. J. WATERS PRESS  
FOR REMOVING LIQUID MATTER  
FROM VARIOUS SUBSTANCES



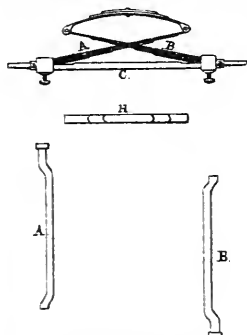
108,653. L. TURNER  
PISTON PACKING



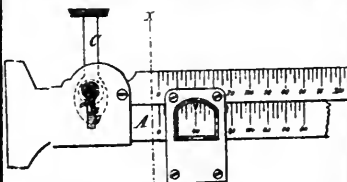
108,658. T. WATSON  
HYDRAULIC MINING APPARATUS.



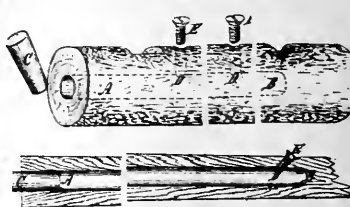
108,649S. STEWARD CARRIAGE SPRING



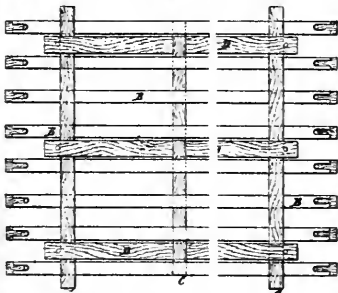
108,654. J. H. USHER. SCALE BEAM.



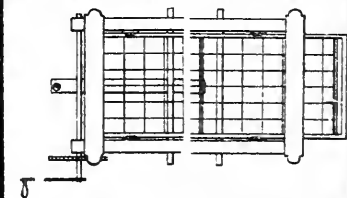
108,659. E. WEBB PRESERVING WOOD.



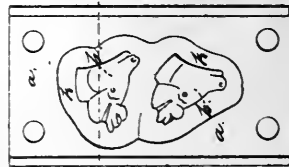
108,650. P. STOVALL.  
SPRING BED BOTTOM.



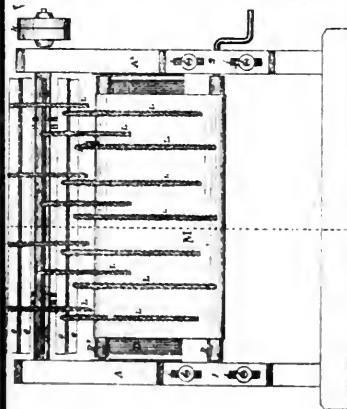
108,655B. D. AND D. A. VANDERVEER  
AND T. DENISE.  
MACHINE FOR ASSORTING POTATOES.



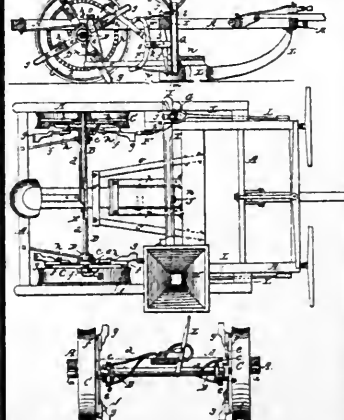
108,660. W. M. WELLING  
DIE FOR MOLDING BUTTONS.



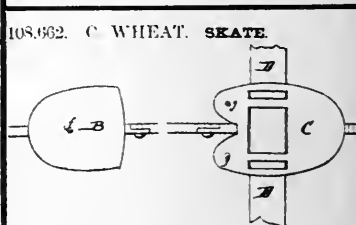
108,651. R. TERRY AND  
F. W. HAFKEMEYER  
CARPET CLEANER.



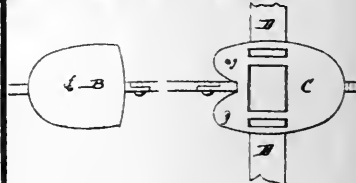
108,656G. B. VAUGHAN  
CORN PLANTER



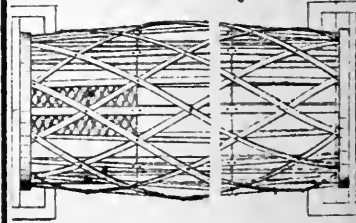
108,661. H. M. WESTMANCEMENT FOR  
COATING AND PROTECTING WOOD.



108,662. C. WHEAT. SKATE.

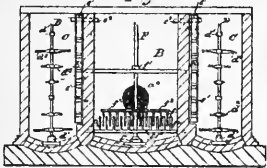


108,663G. H. WHITE TUBULAR BRIDGE.

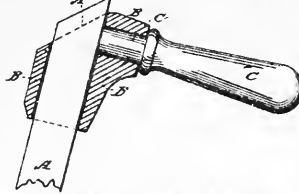
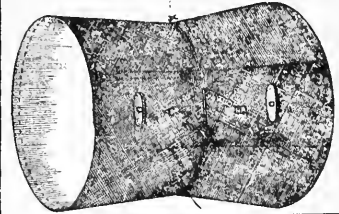


108,664. G. W. WIGNER.

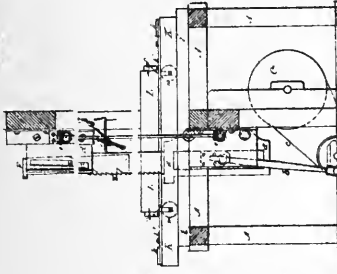
UTILIZING SEWAGE.



108,671. W. E. WYCHE FLOW HANDLE

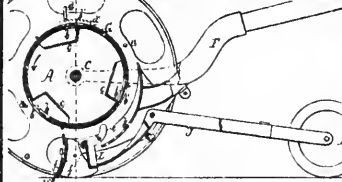
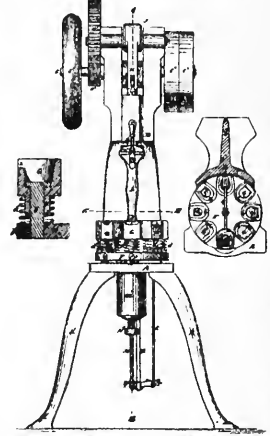
108,676. S. A. BEMIS, A. E. FOTII  
AND J. W. GOODRICH PAPER CUFF.

108,665. W. M. WILKIN SAW MILL



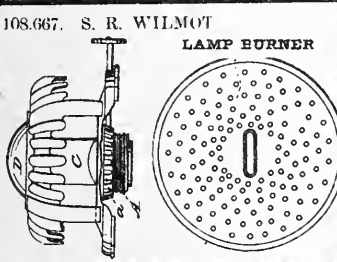
108,672. S. L. ALLEN PLANTING

AND FERTILIZING MACHINE

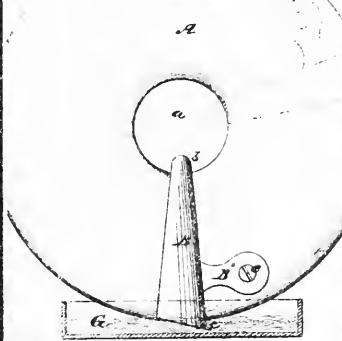
108,677. H. H. BIGELOW MACHINE  
FOR HEELING BOOTS AND SHOES

108,666. J. T. WILKINSON

ROOFING CEMENT

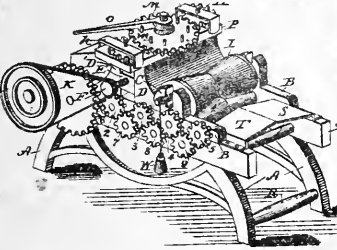


108,673. W. ARMSTRONG

LUBRICATING DEVICE FOR BOLT  
THREADING MACHINES.

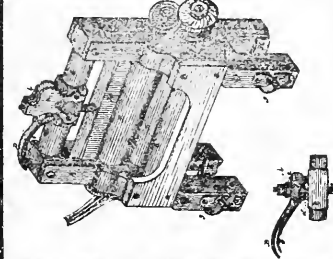
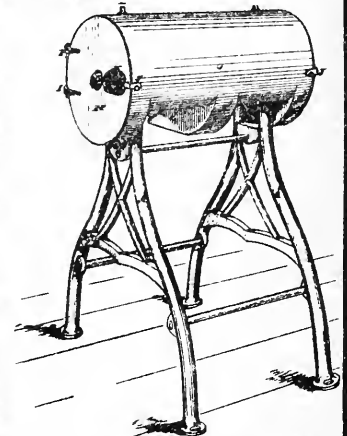
108,668. M. WINGER

BARK SHAVING MACHINE.



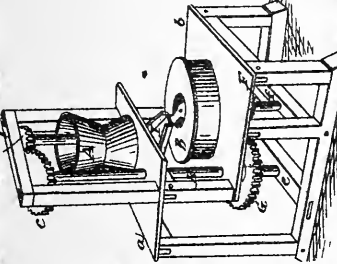
108,674. E. G. W. BARTLETT.

WRINGING MACHINE.

108,678. H. H. BIGELOW  
MACHINE FOR FINISHING HEELS ON  
BOOTS AND SHOES.

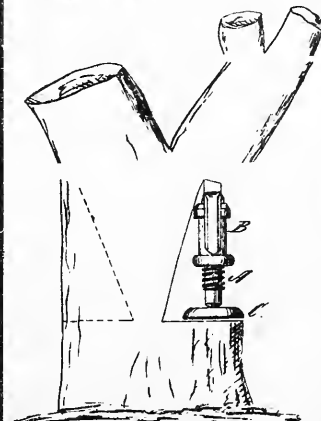
108,669. M. WINGER

MANUFACTURE OF QUERCITRON BARK



108,675. H. J. BEARD.

MACHINE FOR FELLING TREES



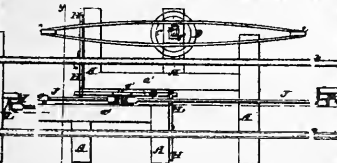
108,679. P. BOYDEN

DETACHABLY TIPPED WHIP.

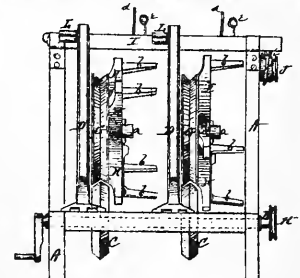


108,670. E. WOODBURY.

RAILWAY GATE

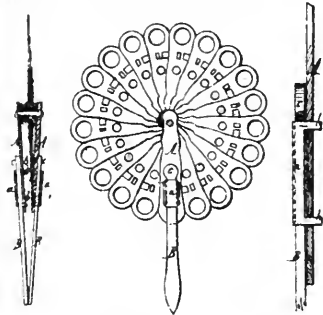


108,680. J. BRIGGS REELING MACHINE

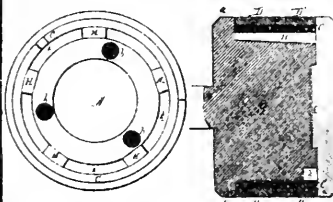




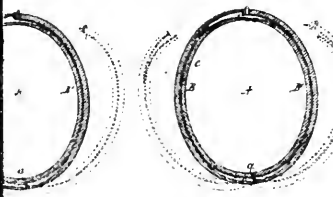
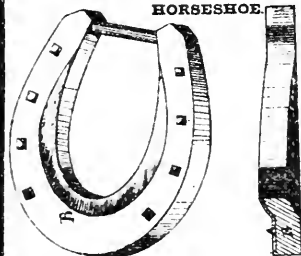
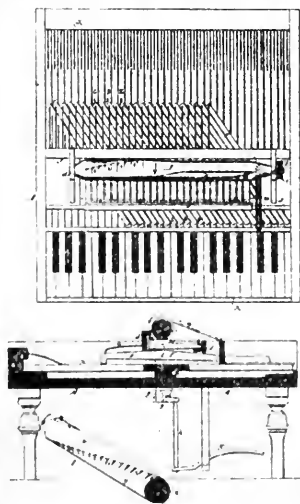
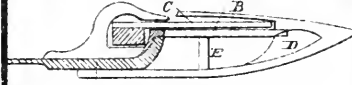
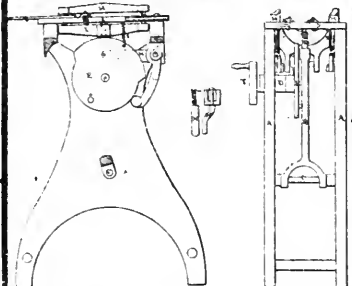
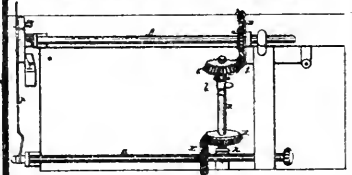
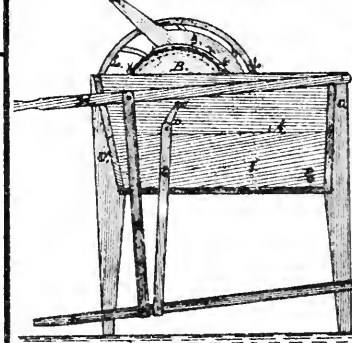
108,681 O. BRUECK. FAN.



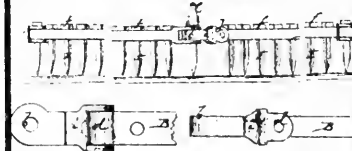
108,682. I. D. BUCK. PISTON.



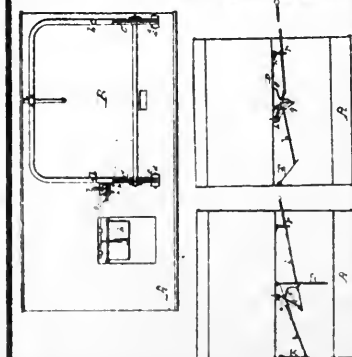
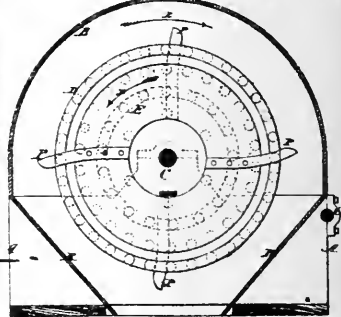
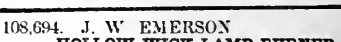
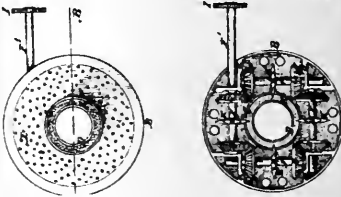
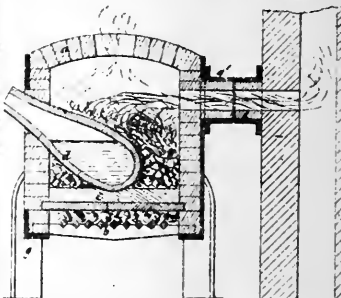
108,683. H. CARLISLE, JR. BRACELET.

108,684 J. K. CHRISTOPHER  
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COUPLING ATTACHMENT FOR PIANOS108,686 T. J. AND G. M. CLARK CUTTING  
APPARATUS FOR HARVESTERS108,687 J. P. CROOKS  
MACHINE FOR SEIVING LEATHER.108,688. J. CUMNOCK  
SELF ACTING MULE FOR SPINNING.108,689. E. DAVIS  
WASHING MACHINE.

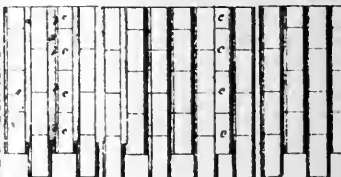
108,690. J. DAWSON HARROW.



108,691 R. E. DEANE COOKING RANGE.

108,692. H. DUCSH  
ROTARY DISINTEGRATOR108,693. G. H. S. DUFFUS  
CONCRETE FOR PAVEMENT. &c.108,694. J. W. EMERSON  
HOLLOW WICK LAMP BURNER108,695. A. F. DU FAUR.  
RETORT FURNACE.

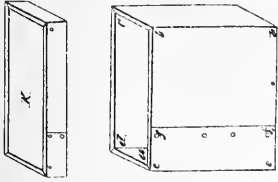
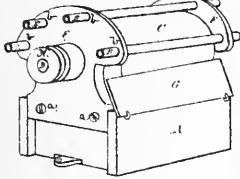
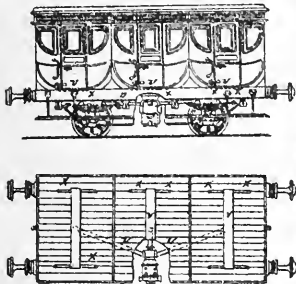
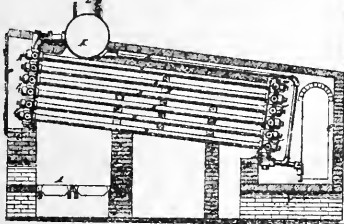
108,696. L. S. FILBERT. PAVEMENT.

108,697. L. T. FOLLANSBEE  
WOOD PAVEMENT.108,698. P. G. GARDINER  
RAILWAY CAR COUPLER AND BUFFER

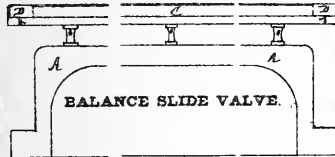
108,699. M. J. GIBBS. FLOW.



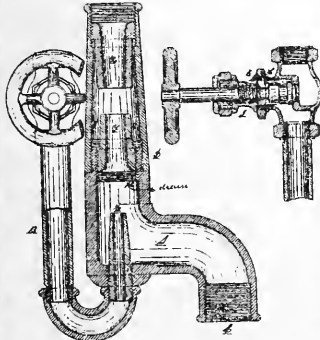
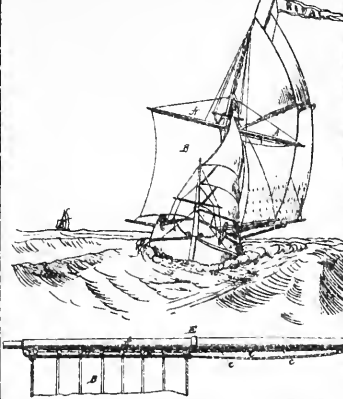
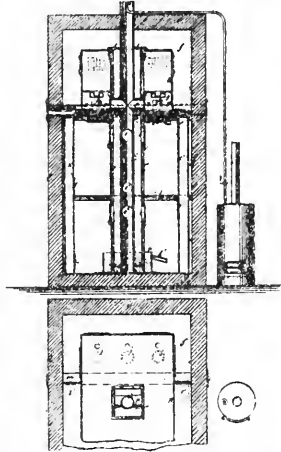
108,700. W. GILBERT WOODEN BOX

108,701. S. D. GILSON.  
EVAPORATING APPARATUS.108,702. P. GRANDJEAN  
RAILROAD CAR HEATER108,703. J. GRIFFETH AND  
G. W. WUNDRAM  
SECTIONAL STEAM GENERATOR.

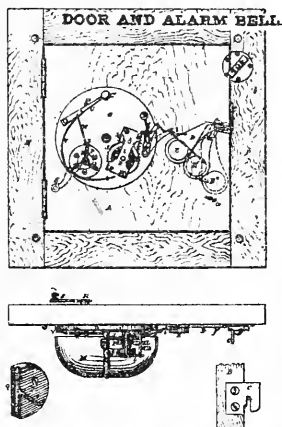
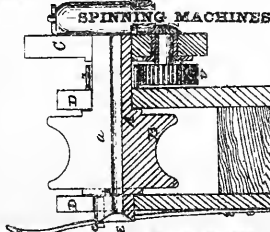
108,704. T. J. HAMER AND M. WALLS



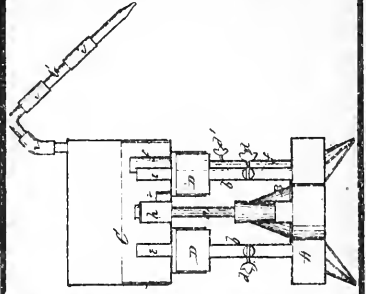
108,705. G. HIBBARD PUMP.

108,706. A. A. HOLLING SQUARE  
SAIL FOR FORE AND AFT VESSELS.108,707. T. KRAUSCH  
COOLING BUILDINGS

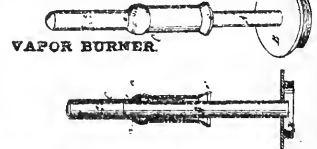
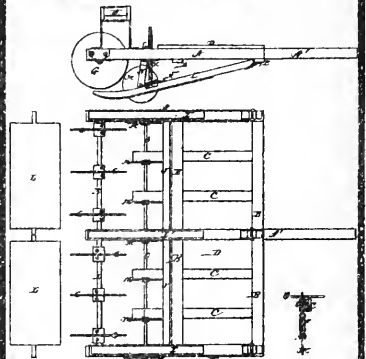
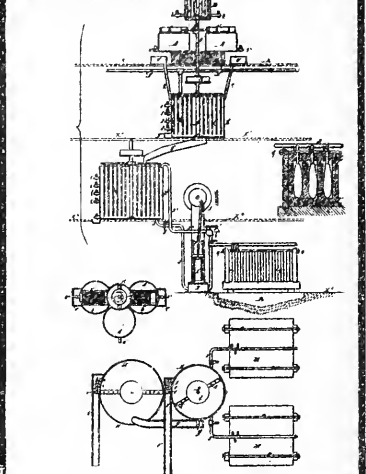
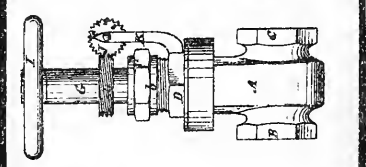
108,708. G. O. LACKEY.

108,709. S. W. LAWRENCE, P. WALDEN  
AND J. W. HUNTOON  
DRAWING AND TWISTING HEAD FOR  
SPINNING MACHINES.

108,710. I. P. LEETESTEAM ATOMIZER

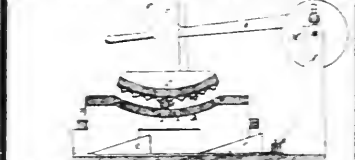


108,711. D. LEONARD

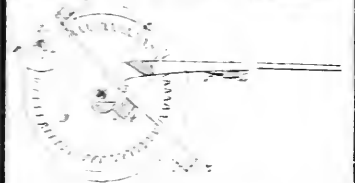
108,712. W. LESLIE COMBINED STALK  
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PREPARING LAKES AND COLORS.108,714. H. G. LUDLOW  
AND J. STONE. STOP VALVE.

108.715. G. A. MANDEVILLE MACHINE

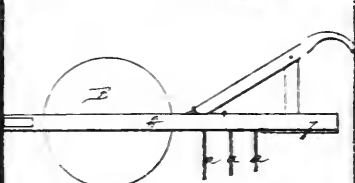
FOR SIZING AND FELTING HATBOARDS



108.716. W. T. MILLER HARVESTER

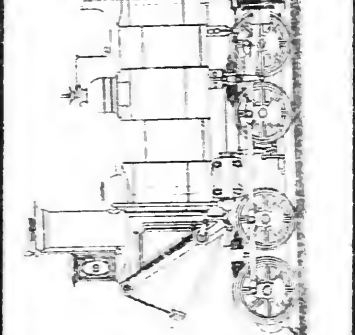
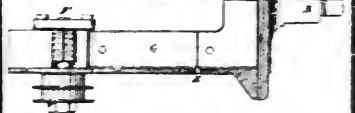


108.717. L. N. MONROE CORN COVERER

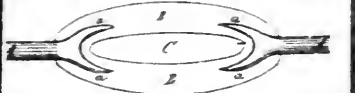


108.718. J. MONTGOMERY

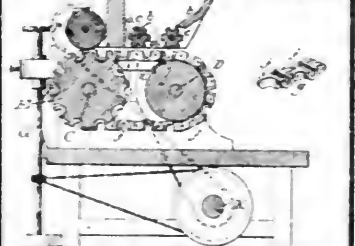
STEAM ENGINE

108.719. A. W. MOORE  
PEG BOX FOR PEGGING MACHINES

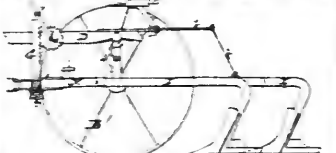
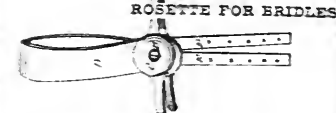
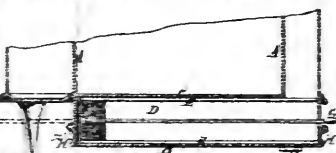
108.720. F. D. MORSE CARRIAGE CLIP

108.731. T. H. MULLER AND  
H. C. BENSON MACHINE FOR CUTTING  
AND SMOOTHING

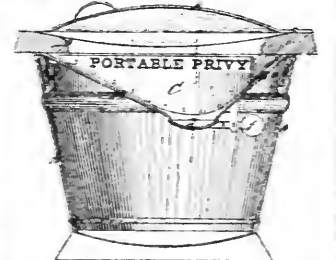
THE ENDS OF PENCILS

108.722. E. D. MURPHY MATERIAL  
FOR JOURNALS AND BEARINGS108.723. W. MYERS  
EARTH EXCAVATOR

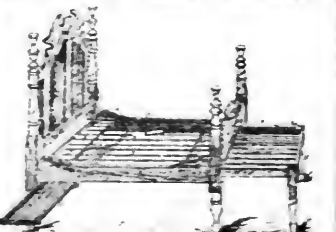
108.724. W. NEWLIN GANG PLOW.

108.725. J. O'BRIEN  
ROSETTE FOR BRIDLES108.726. H. L. PALMER  
FLUE CLEANER FOR COOKING STOVES108.727. W. M. PERKINS AND  
T. F. VANDERGIFT  
DRAFT EQUALIZER

108.728. W. H. PULVER



108.729. H. E. RAMSEY, BEDSTEAD

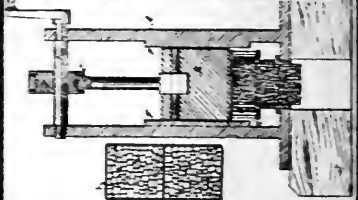
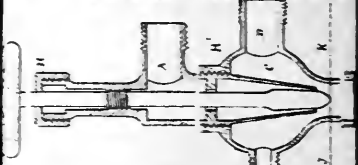
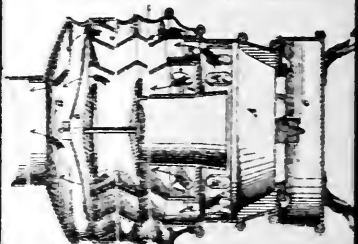


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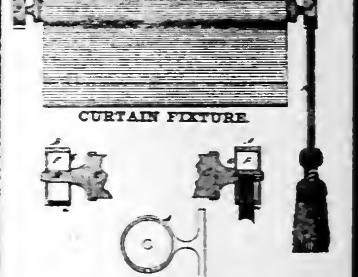


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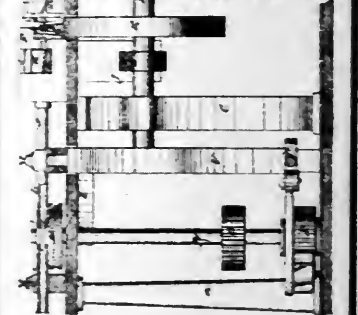
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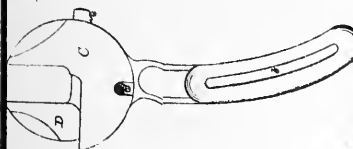
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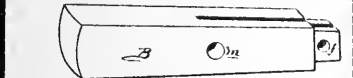
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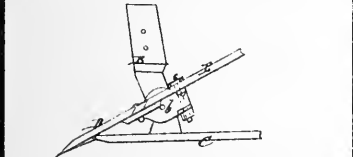
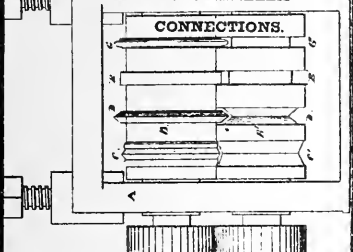
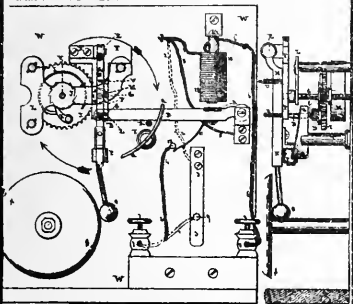
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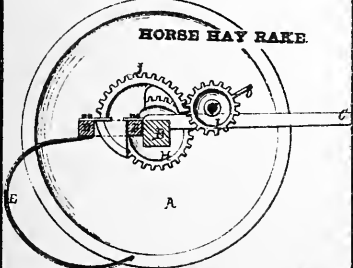
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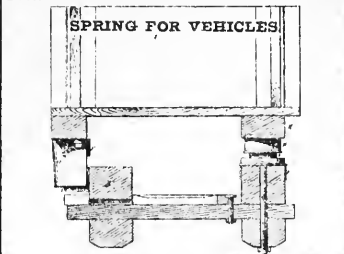
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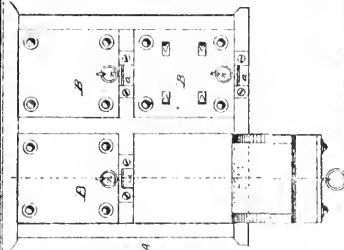
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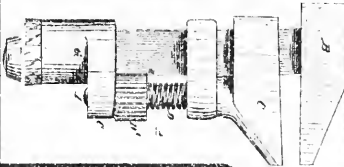
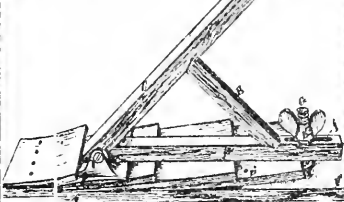
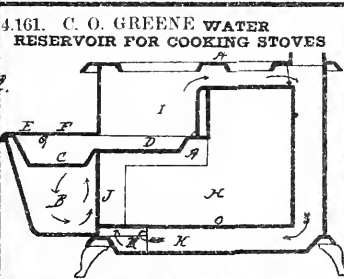
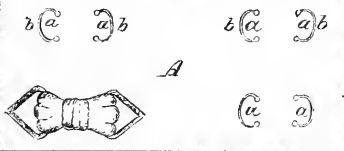
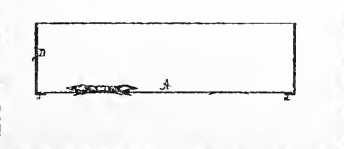
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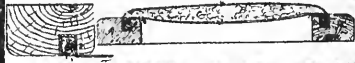
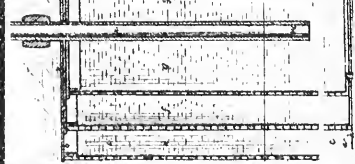
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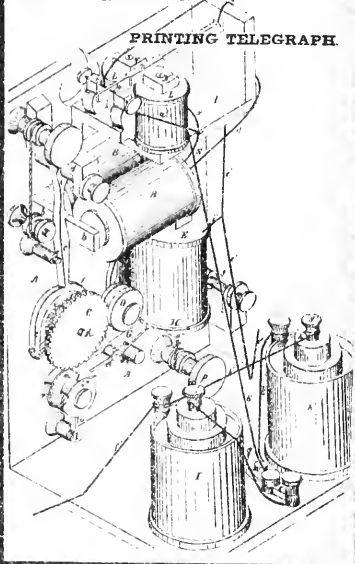
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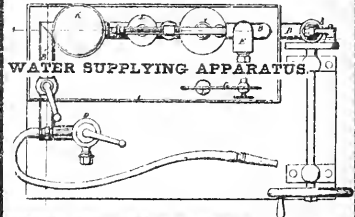
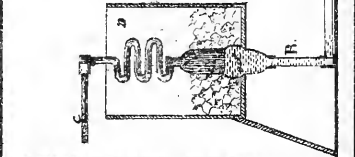
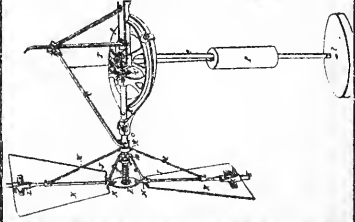
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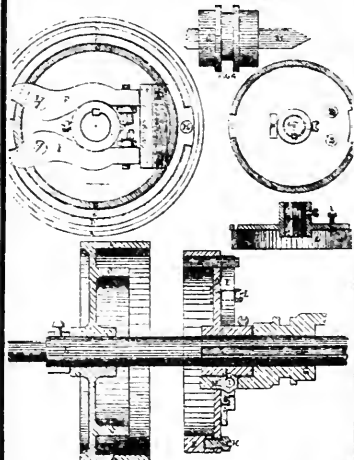
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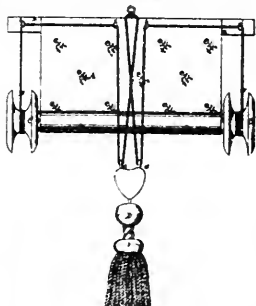
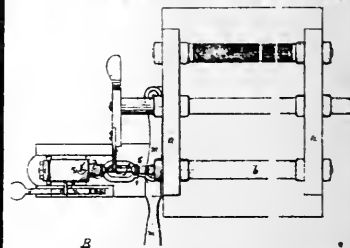
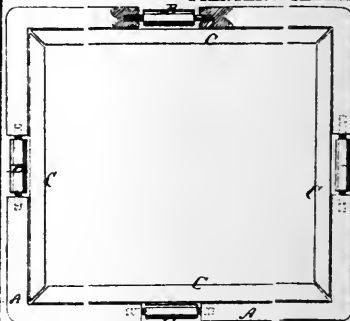
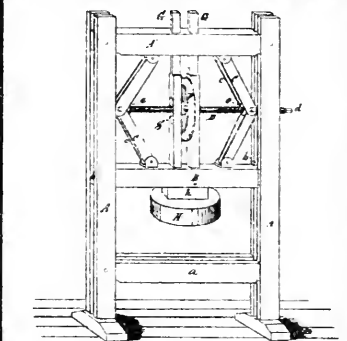
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NOVEMBER 1, 1870.

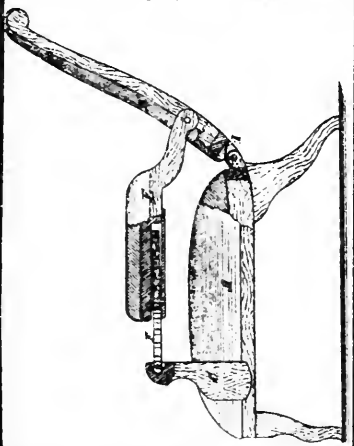
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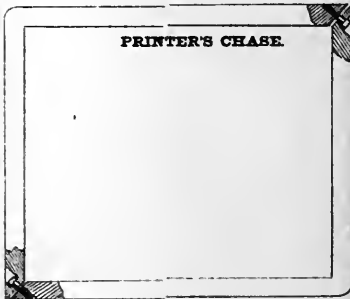
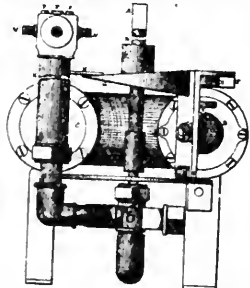
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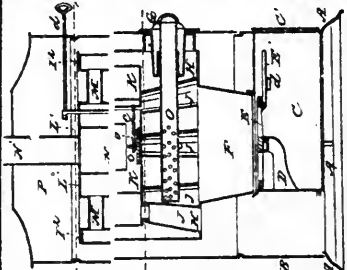
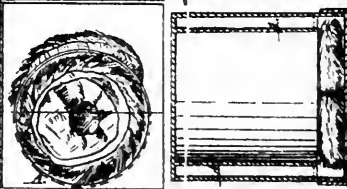
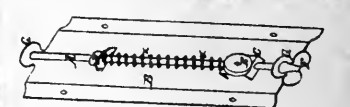
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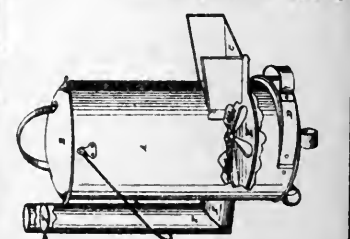
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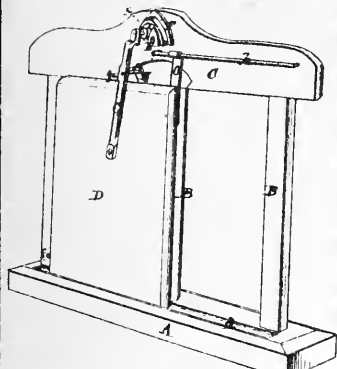
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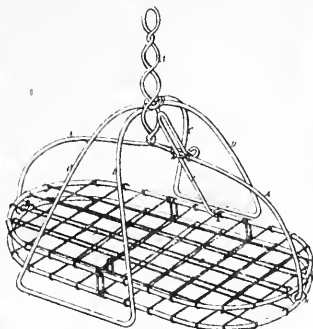
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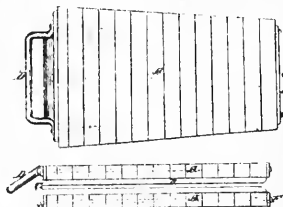


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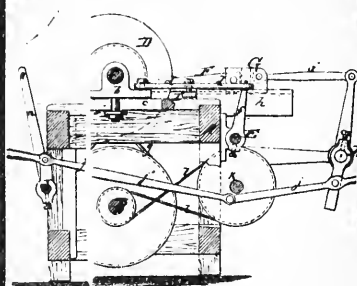


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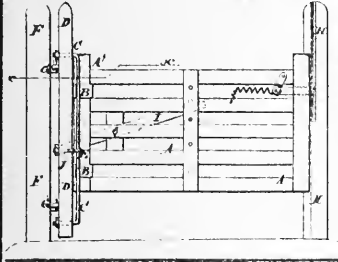
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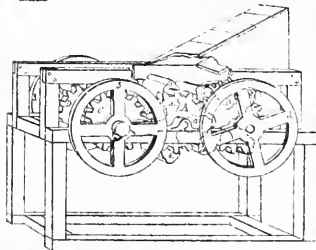
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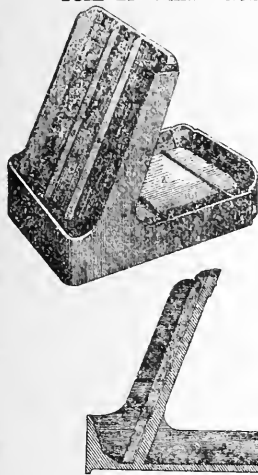
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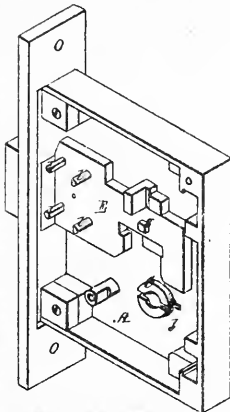
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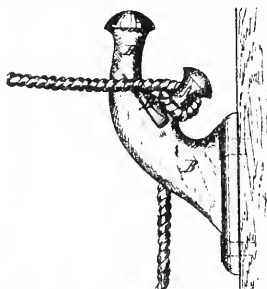
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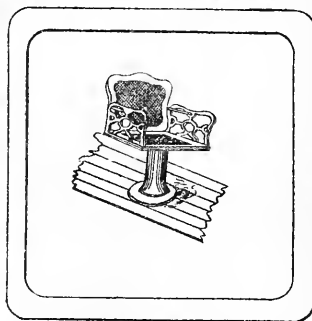
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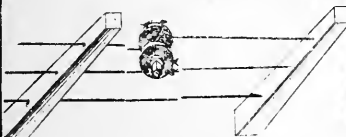
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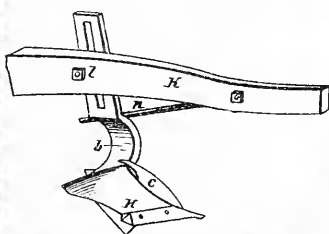
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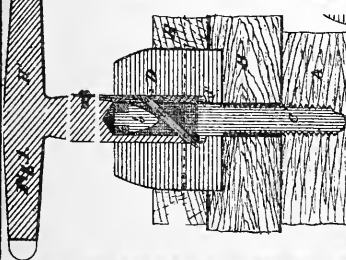
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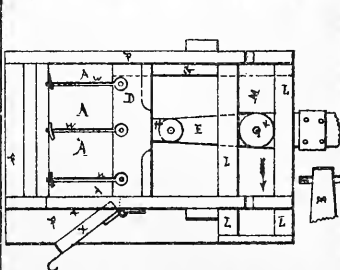
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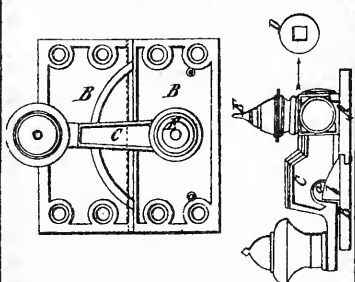
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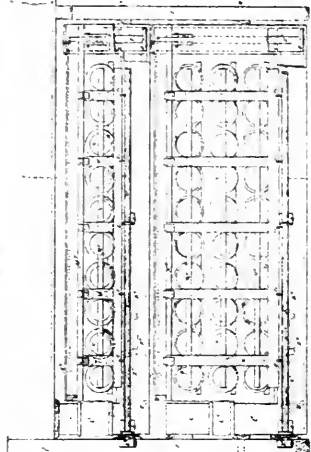
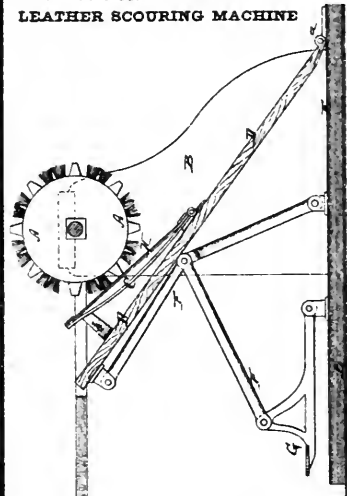
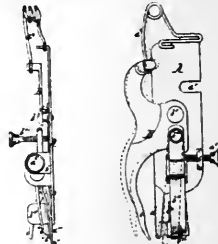


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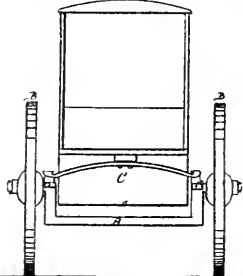


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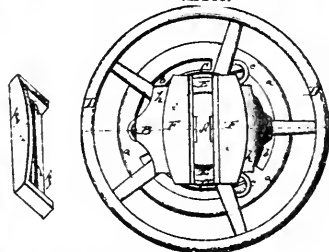
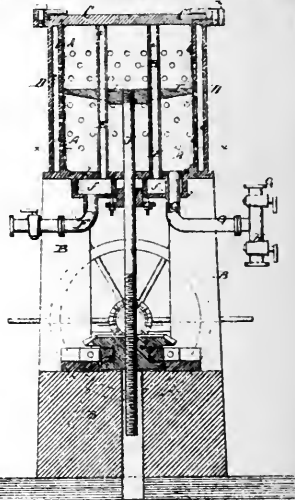
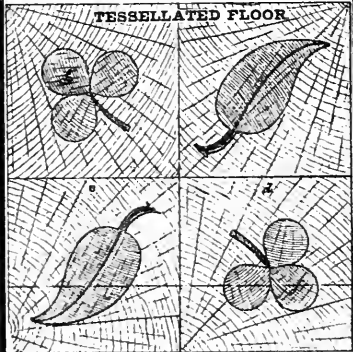
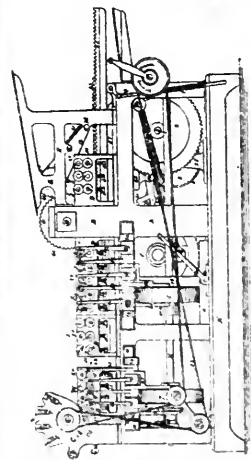
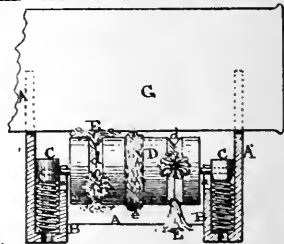


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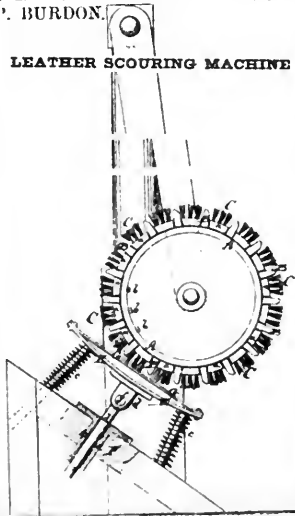
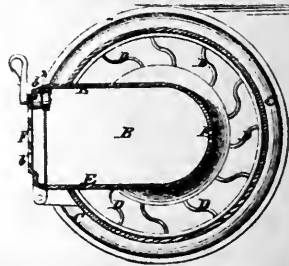
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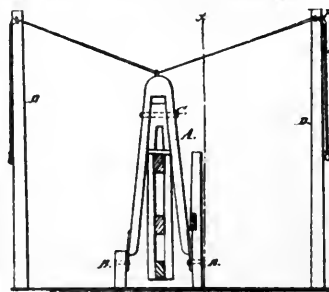
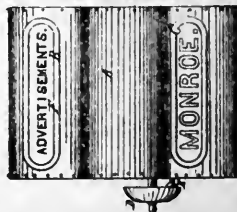
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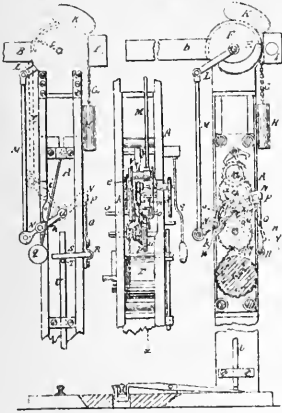
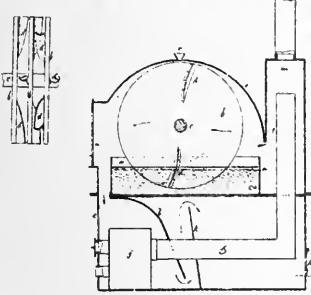
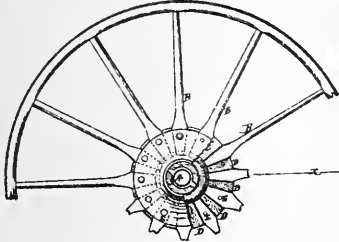
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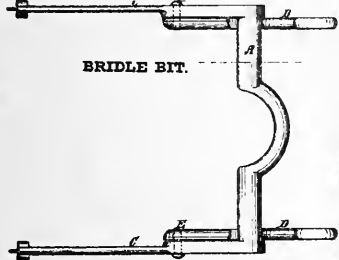
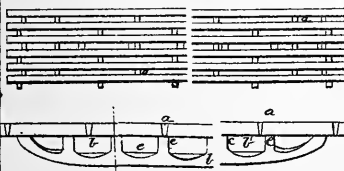
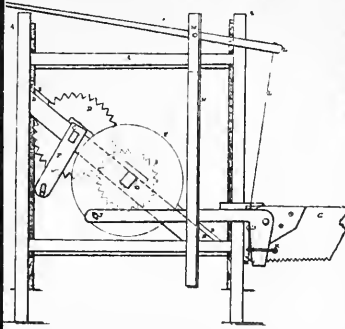
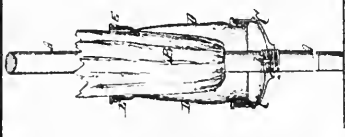
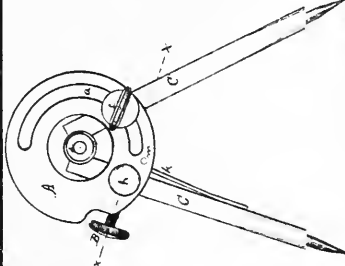
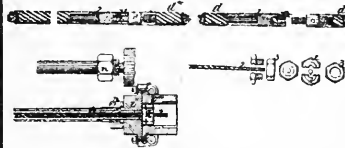
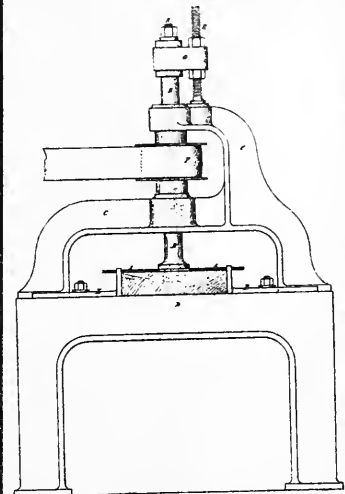
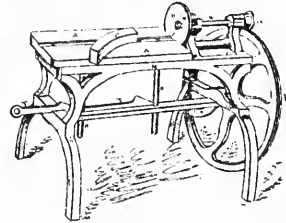
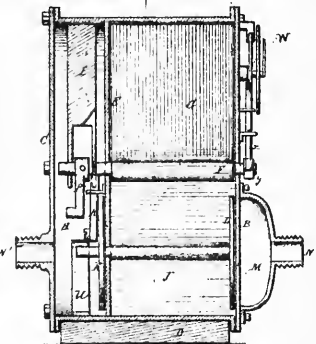
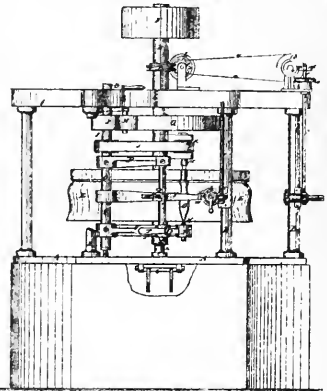
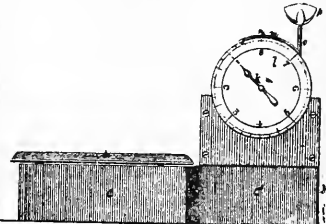
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W. JAMES. JR. HOT AIR FURNACE

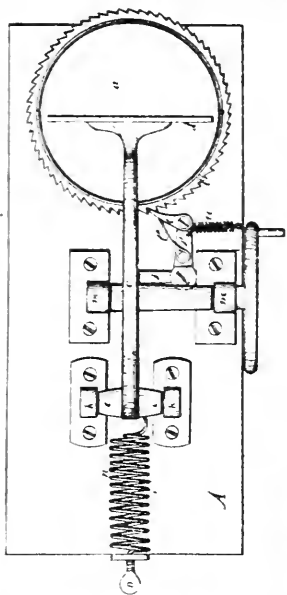
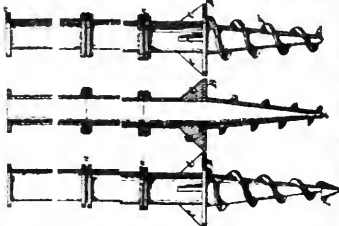
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108,791  
G. A. JENKS AND J. J. FAWCETT  
STREET AND STATION INDICATOR

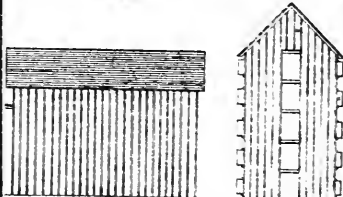
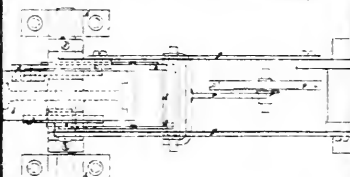
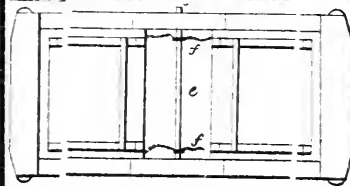
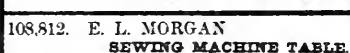
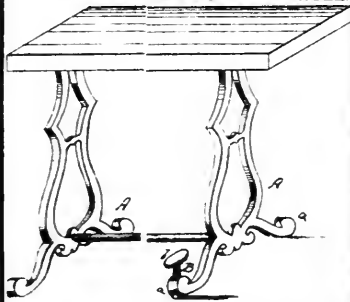
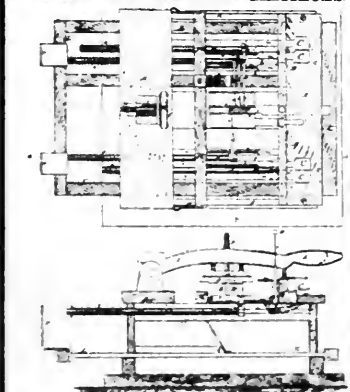
108,792. J. G. JOHNSON. **TIME SIGNALING APPARATUS FOR RAILROADS.**108,793. T. W. JOHNSON, JR., AND A. W. GOODELL. **APPARATUS FOR EVAPORATING AND CONCENTRATING BARK EXTRACTS, &c.**108,794. T. M. JONES AND C. W. FILLMORE. **CARRIAGE WHEEL.**

108,795. F. B. KALKBRENNER

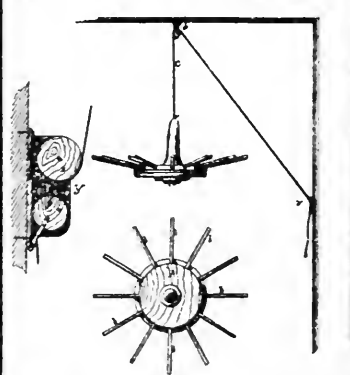
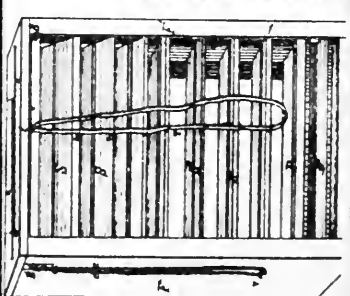
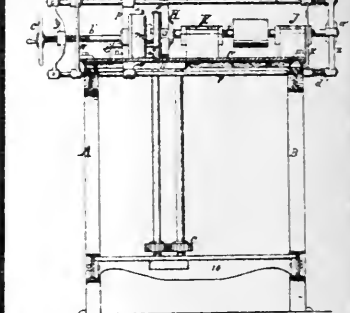
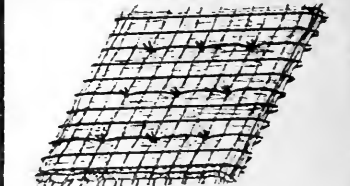
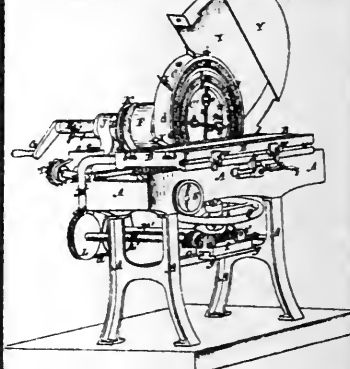
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108,809. G. H. MELLE  
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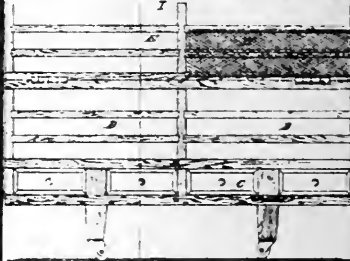
108,815N. NELSONSCREW CUTTING DIE

108,816S. J. NEWSHAM.  
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N. KIRKWOOD DUMPING CAR.108,811. J. J. MILLS AND W. PERRY  
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108,819. F. R. OSGOOD  
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MACHINE FOR GRINDING AND  
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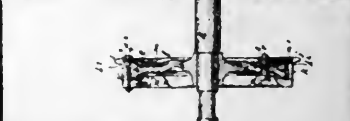
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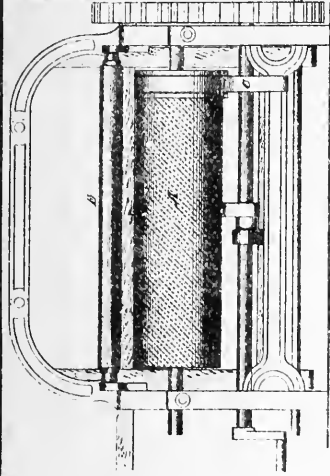
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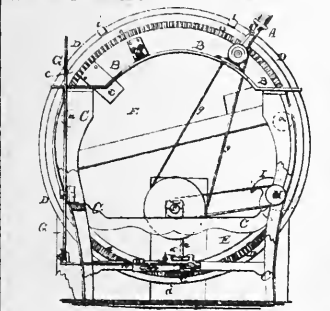
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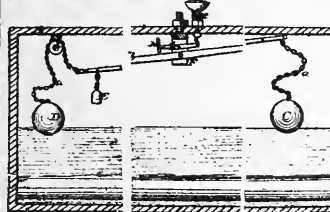
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TENSION MECHANISM FOR LOOMS



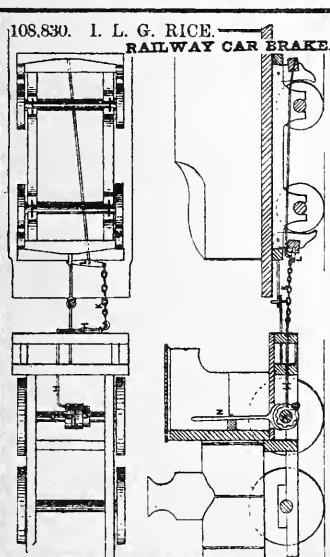
108,827. W. A. RAYER AND  
W. STILLWELL SEWING MACHINE.



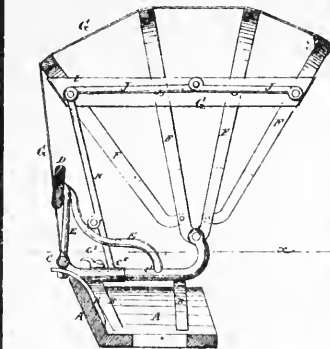
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LOW WATER INDICATOR



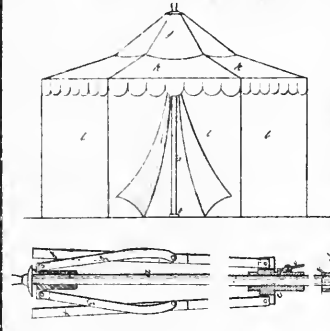
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TRANSPARENT VARNISH



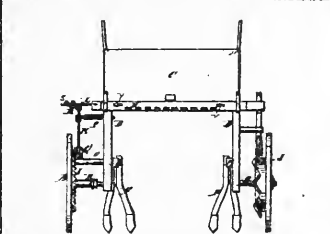
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CARRIAGE TOP FIXTURE



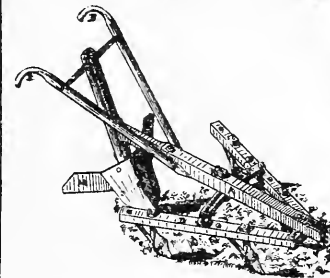
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TENT AND UMBRELLA.



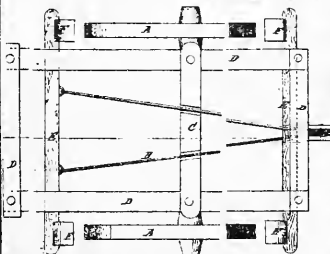
108,833 R. I. ROBESON AND W. NASH  
COMBINED CULTIVATOR AND SEEDER



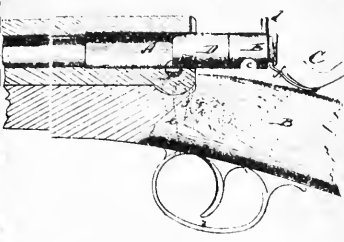
108,834. E. G. AND A. D. ROWELL  
J. R. RICE, AND S. M. SEELY  
SHOVEL FLOW AND CULTIVATOR



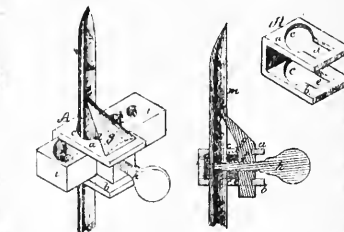
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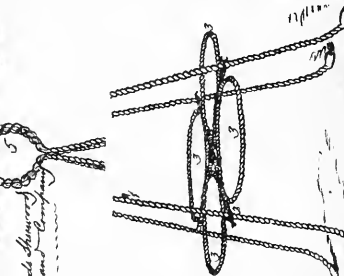
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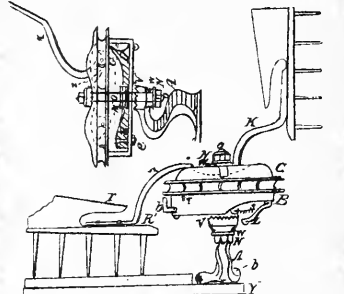
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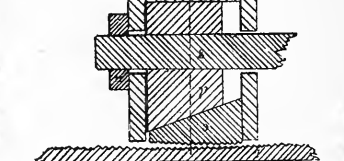
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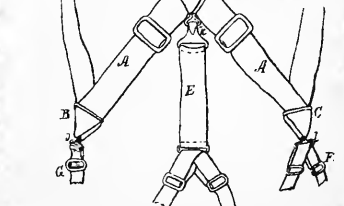
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108,840. J. E. SINCLAIR. VISE.



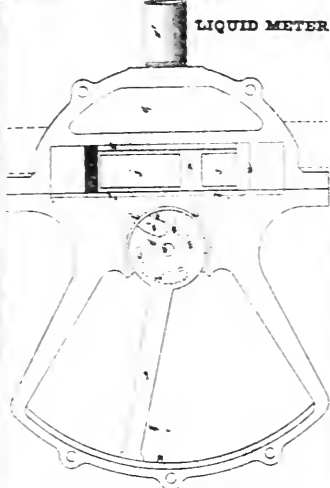
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SUSPENDERS.





108,842. W. E. SNEDIKER

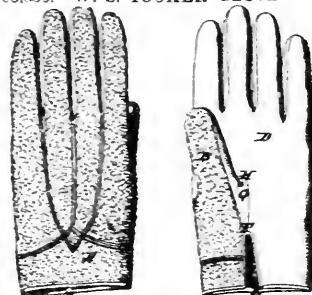
LIQUID METER



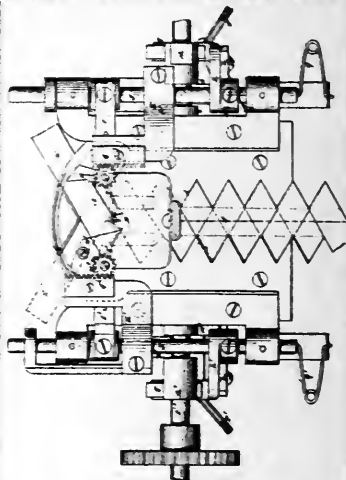
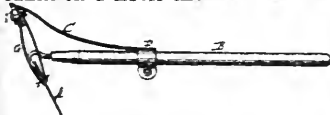
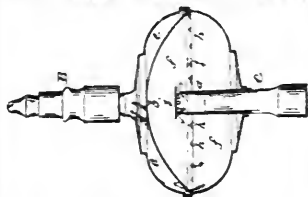
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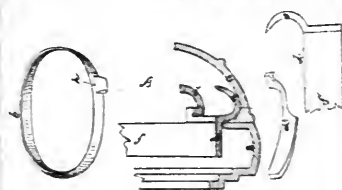
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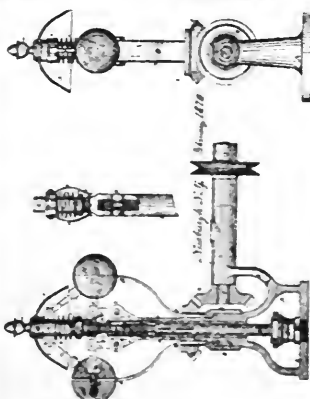
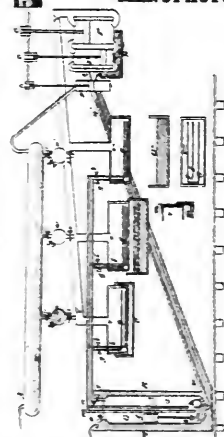
108,854. W. WALKER. FLAITING DEVICE

108,843. R. R. AND H. T. SPEDDEN  
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PRESERVING THE TEETH AND GUMS

108,847. C. L. THIERY. WATCH CASE

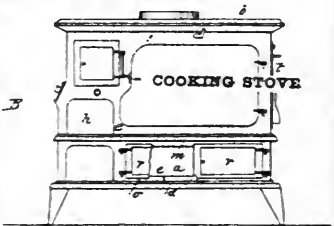
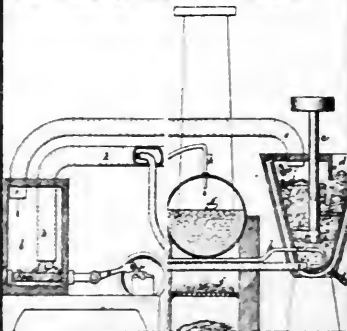


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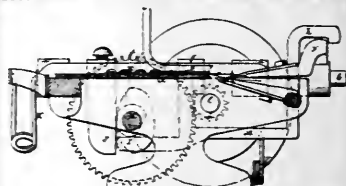
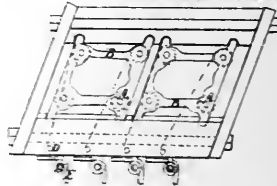
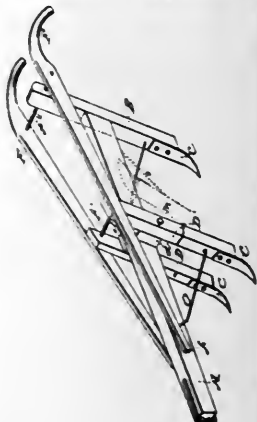
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MANUFACTURE OF ICE

108,852. G. W. WALKER.

COOKING STOVE

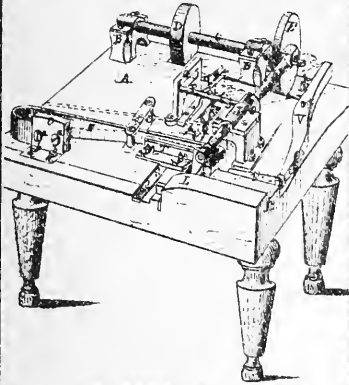
108,853. T. G. WALKER. EXPELLING  
VOLATILE MATTER FROM PEAT.

108,855. W. WALKER. FLAITING DEVICE

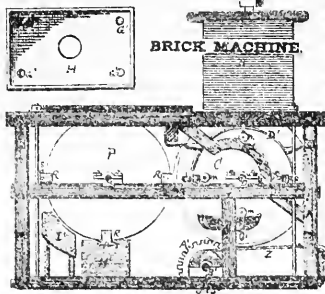
108,856. J. AND T. WALMSLEY.  
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108,859. S. W. H. WARD. TOILET BOX

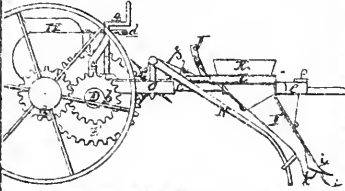


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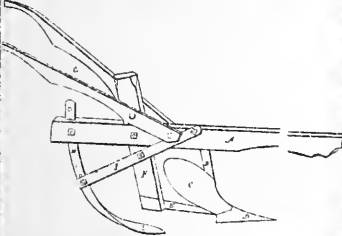
108,864. M. D. WILLIAMS



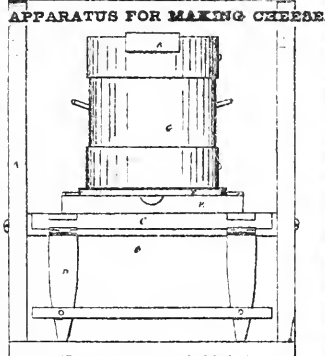
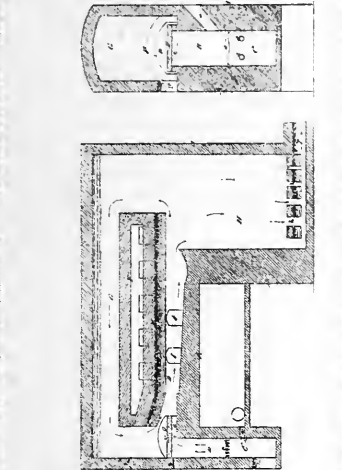
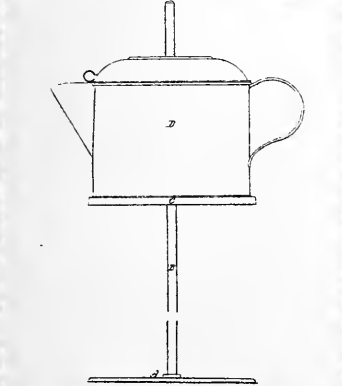
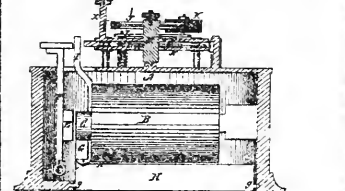
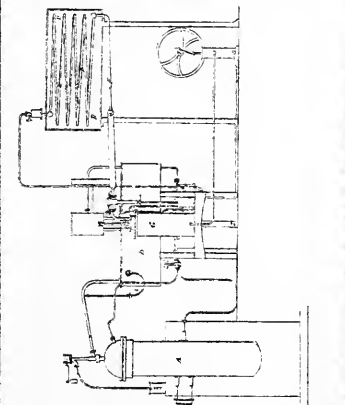
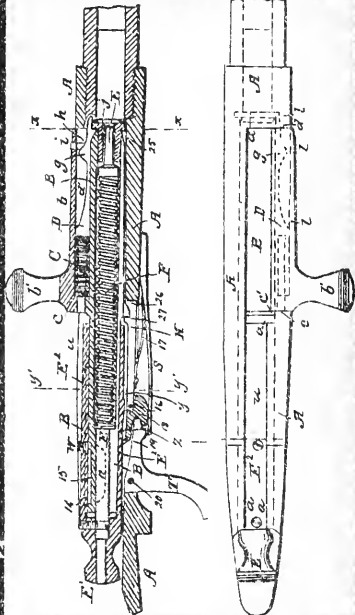
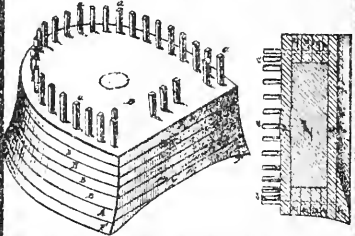
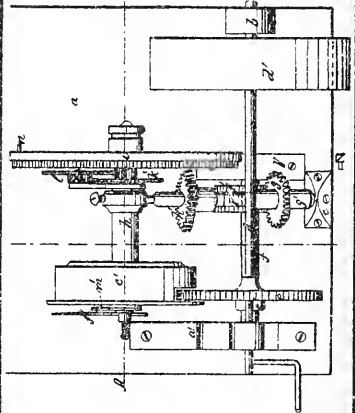
108,865. C. WISDOM. CORN PLANTER.



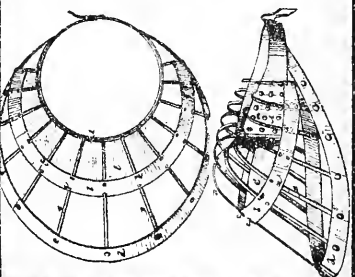
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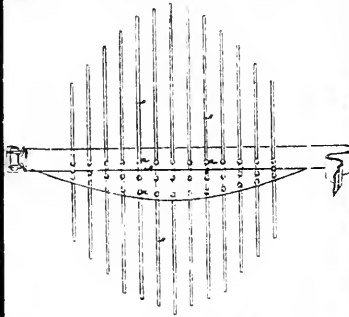
108,866E. L. YANCY AND C. E. DORMAN

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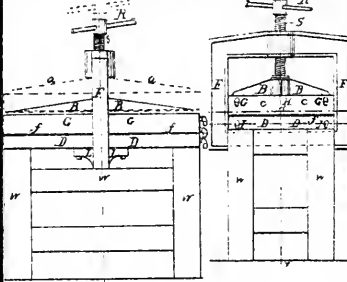
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109,873. J. BROUGHTON. BUSTLE.

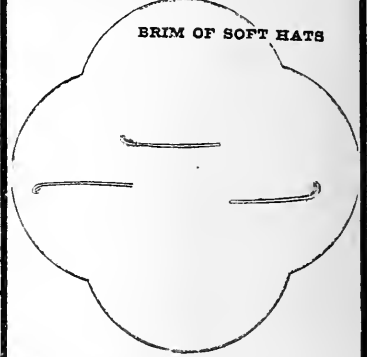


108,879. A. CHACE. STEREOTYPING.

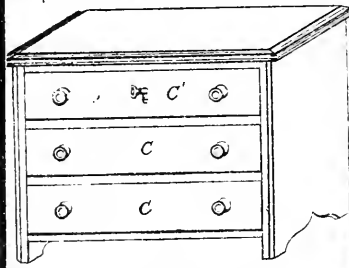


108,884. J. W. COREY

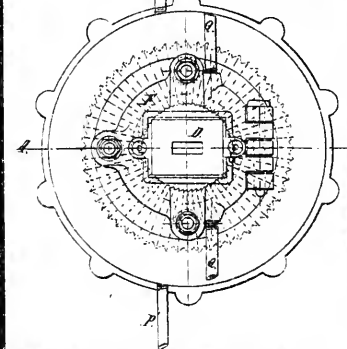
BRIM OF SOFT HATS



108,874. J. T. BROWN AND L. HIRD. AUTOMATIC FURNITURE LOCK.

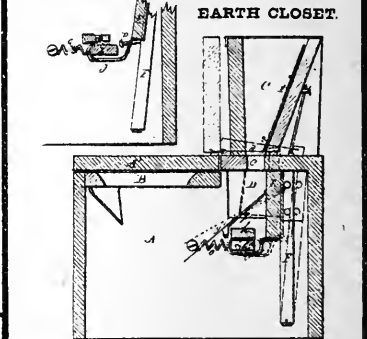


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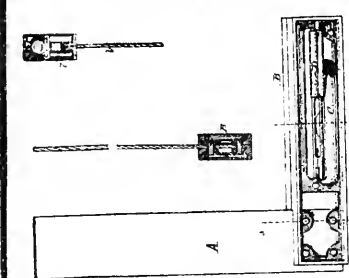


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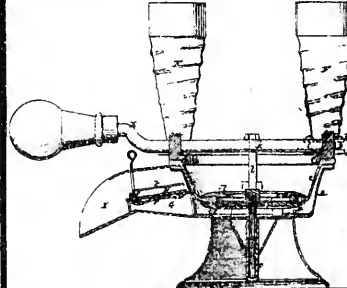
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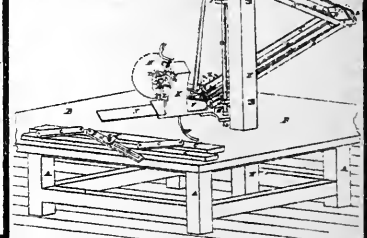
108,875. H. L. BUCKWALTER. TRY-SQUARE AND LEVEL.



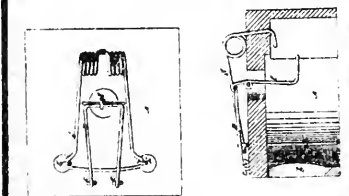
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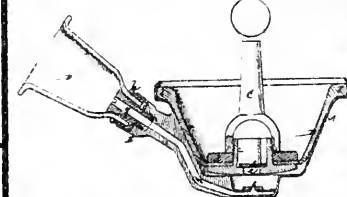
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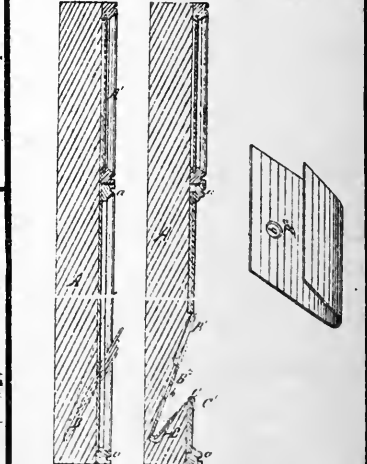
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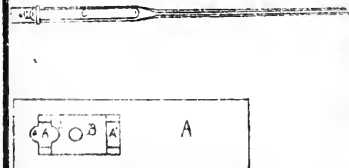
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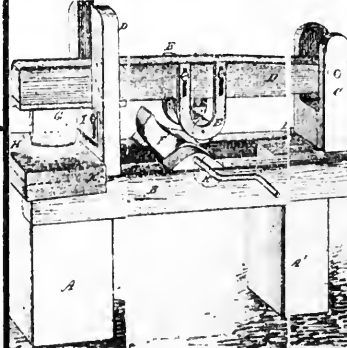
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108,877. A. W. BUSH. WATCHMAKER'S VISE.



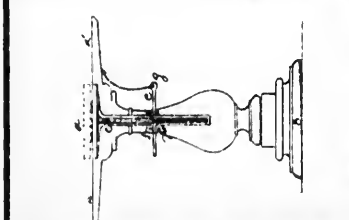
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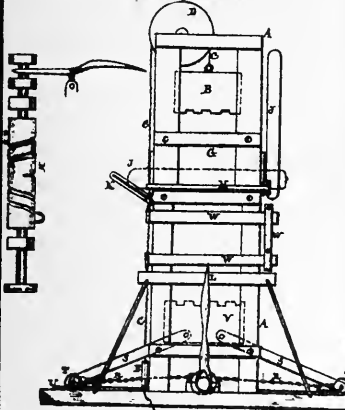
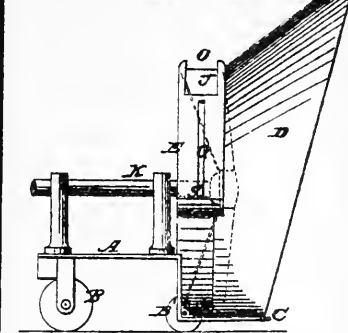
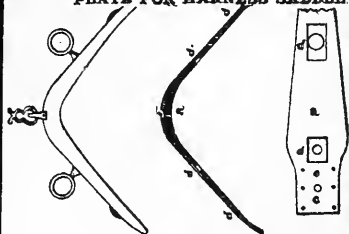


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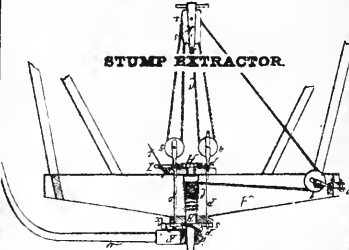
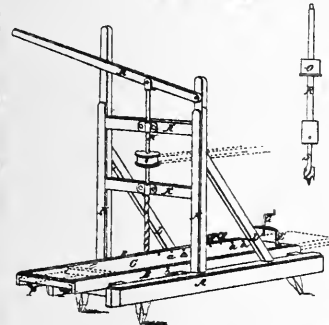
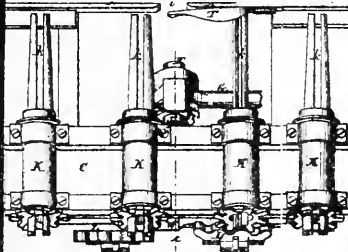
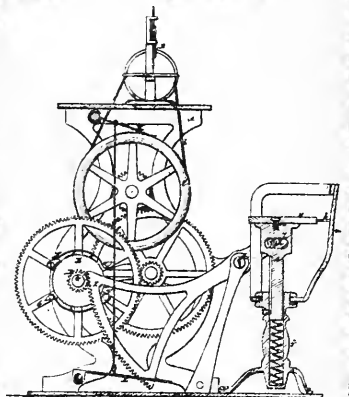
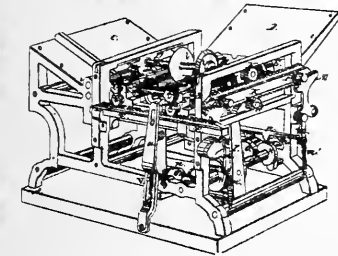
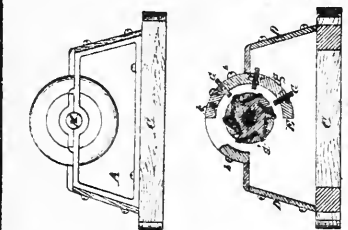


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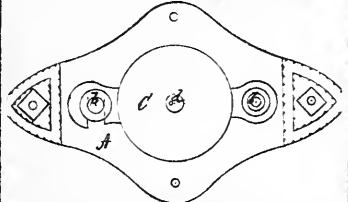


108,889. J. H. DAVISON AND  
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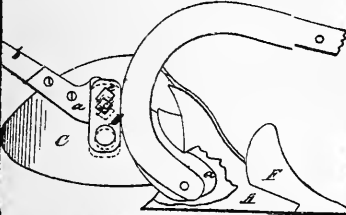
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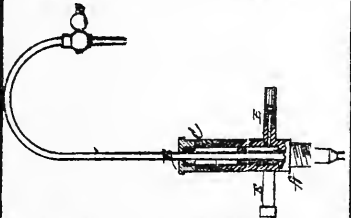
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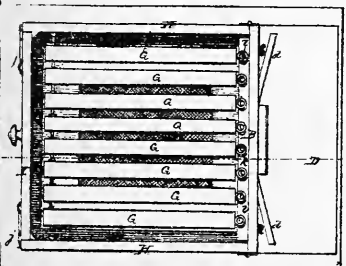
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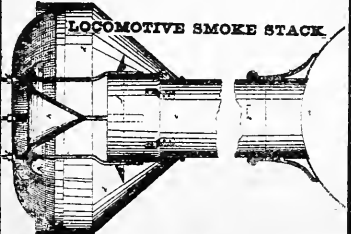
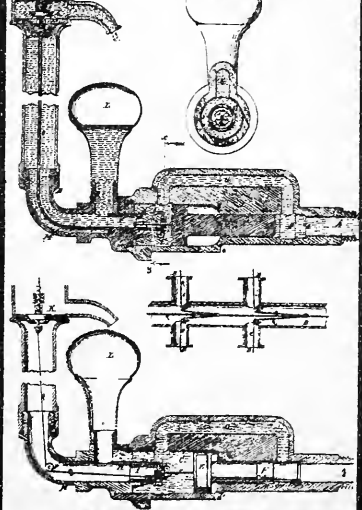
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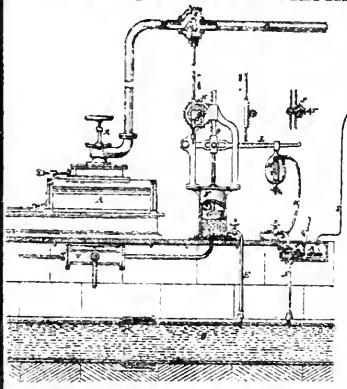
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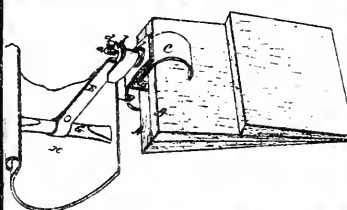
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108,904. J. C. HAGAN PRESSURE  
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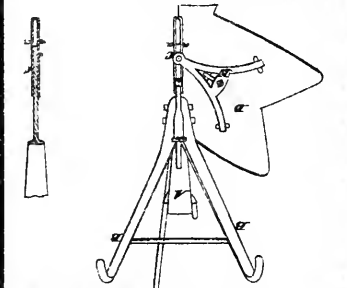
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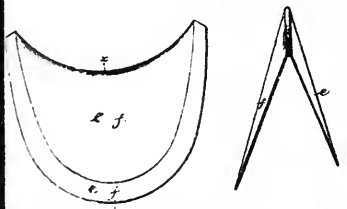
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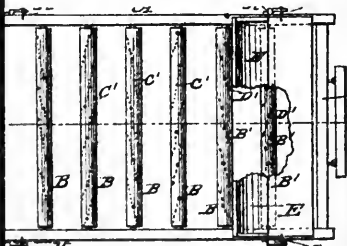


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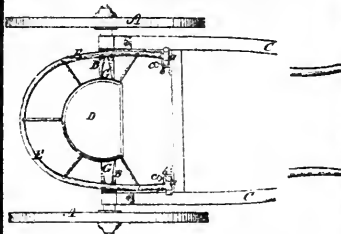


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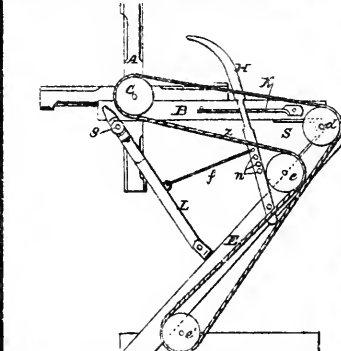
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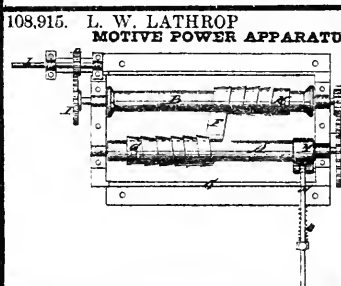


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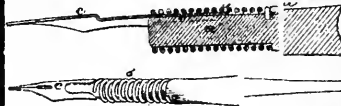


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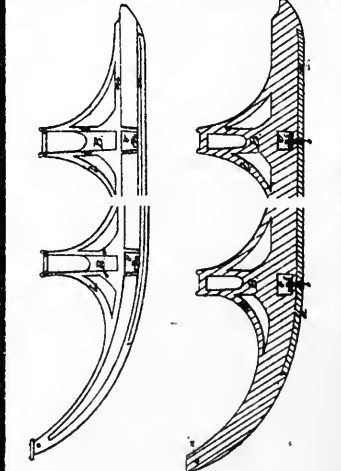
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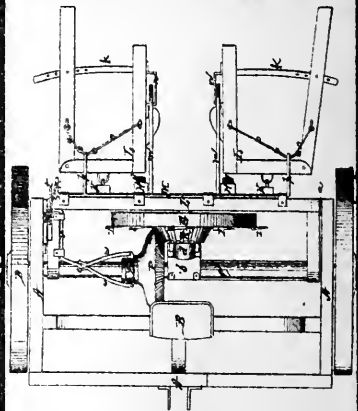
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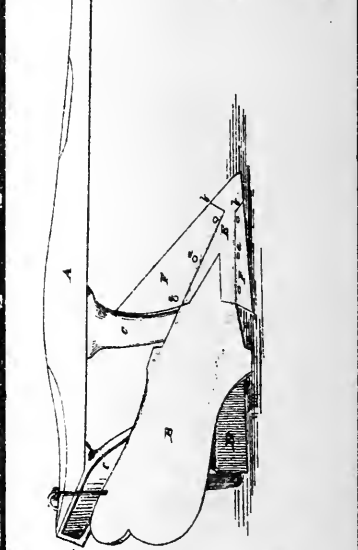
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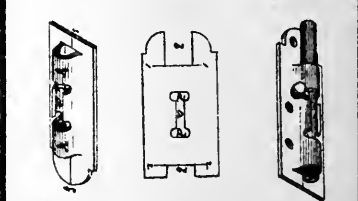
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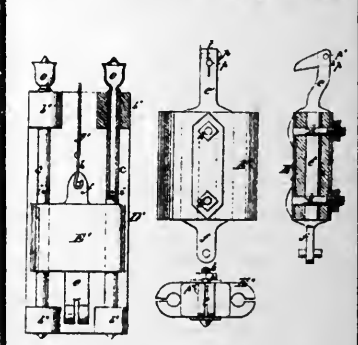
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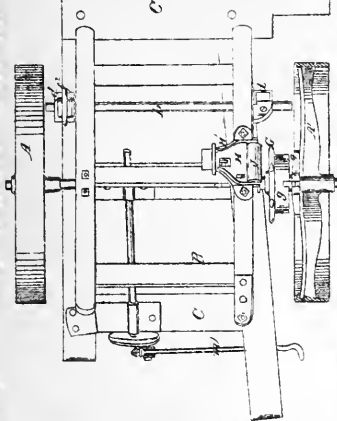
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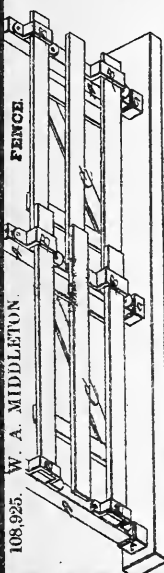
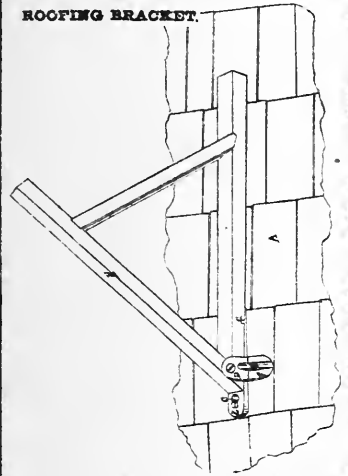
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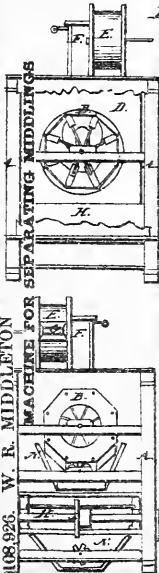
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108,923. A. McDONALD PAINT BRUSH.

108,924. L. W. MERRIAM  
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108,925.

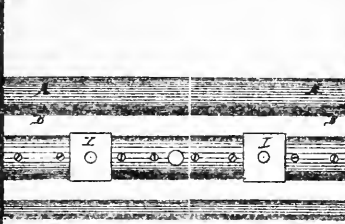
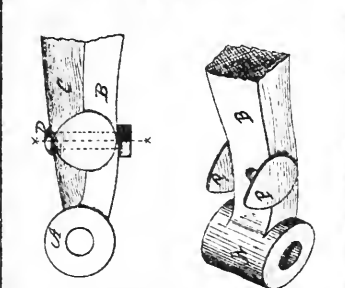
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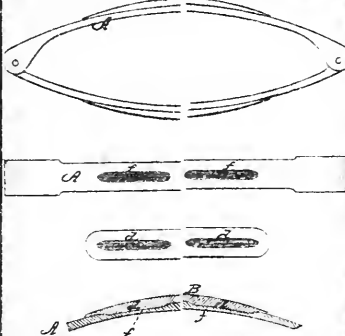
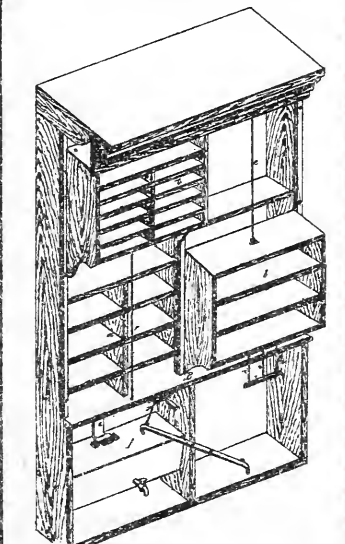
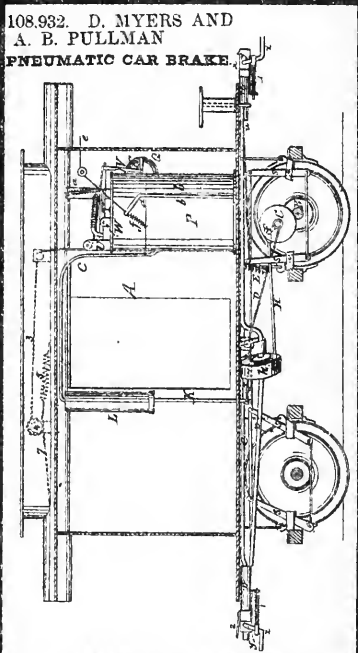
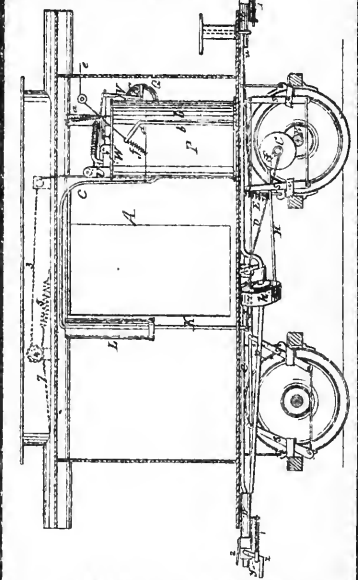
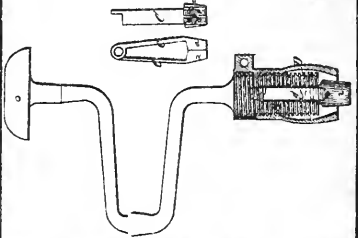
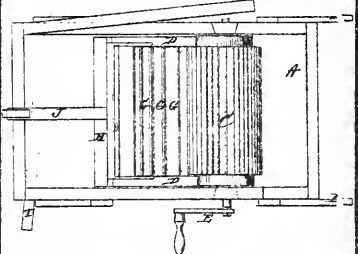
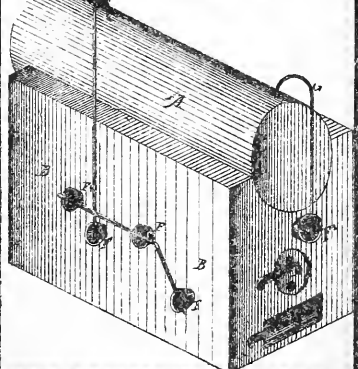
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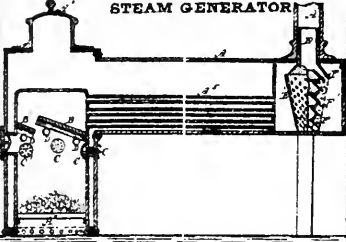
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108,927. J. MILLER, JR. LOCK NUT.

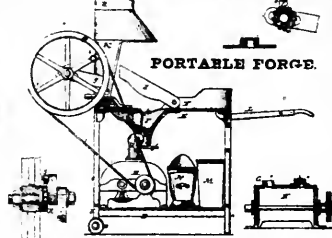
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108,929 F. B. MORSE CARRIAGE SPRING.

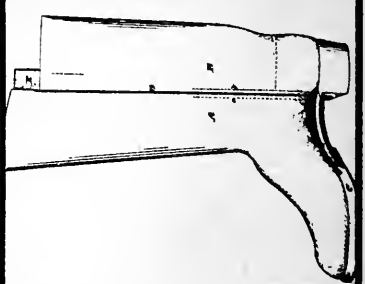
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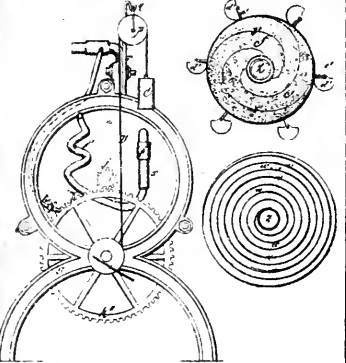
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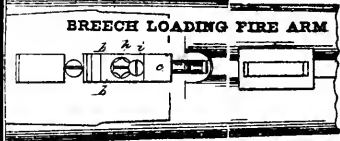
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108,937 J. E. RICHARD GAS APPARATUS

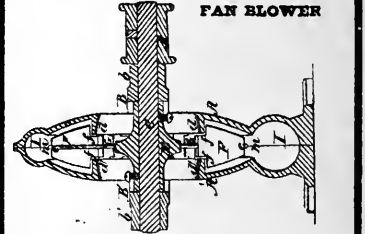
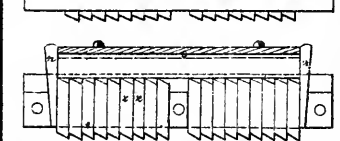
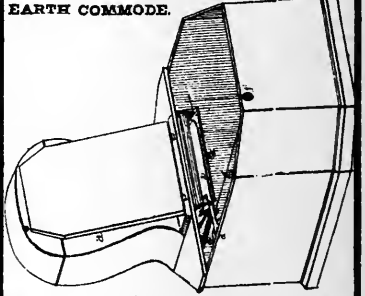
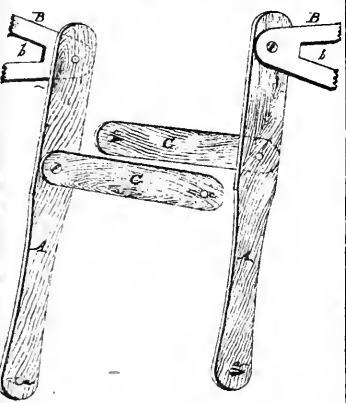


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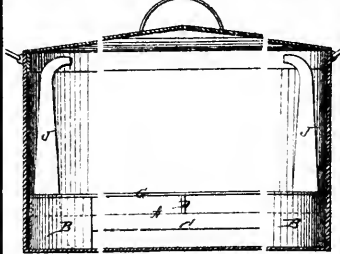
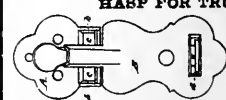
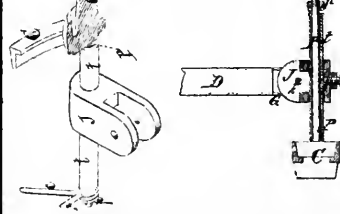
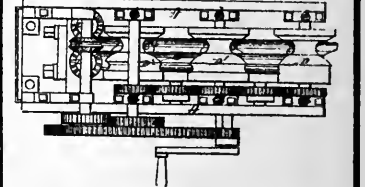
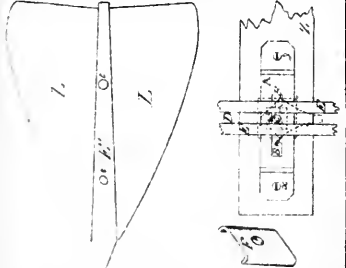


108,949. L. D. WHEELER

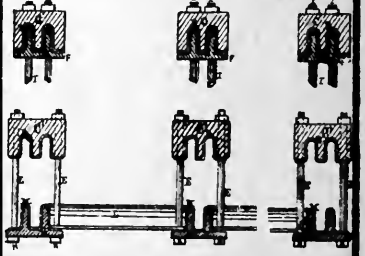
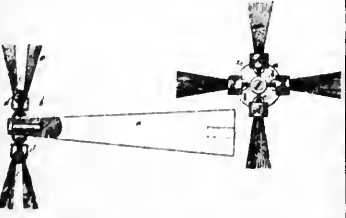
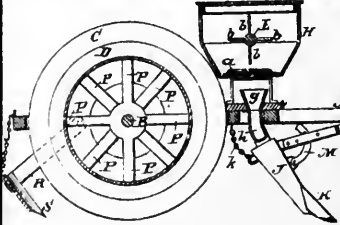
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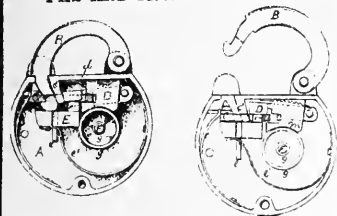
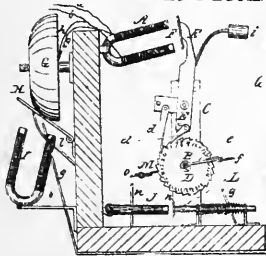
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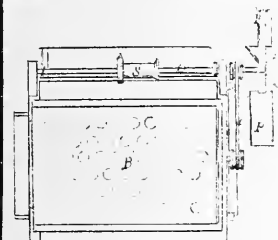
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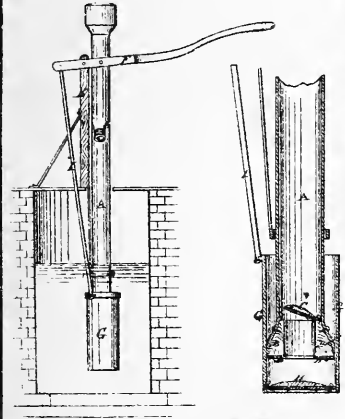
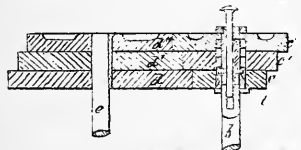
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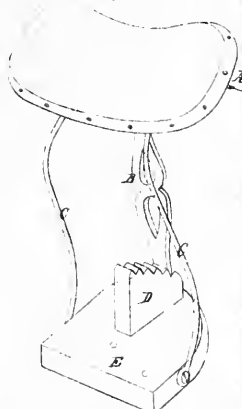
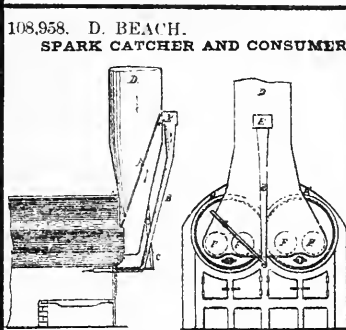
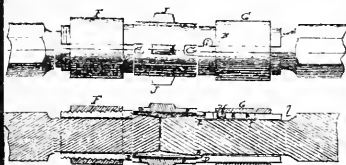
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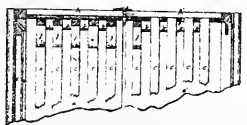
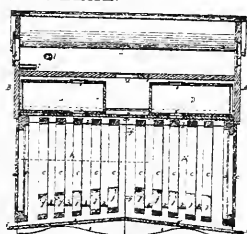
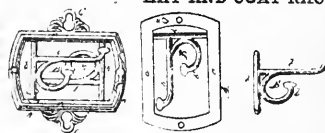
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108,955. W. M. BARR  
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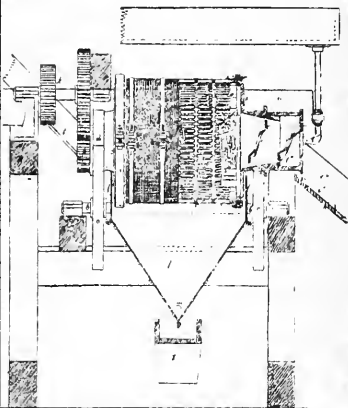
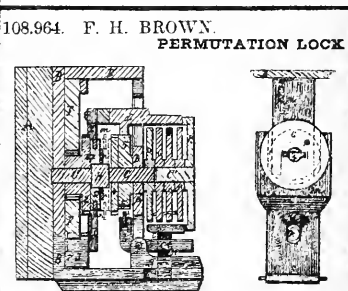
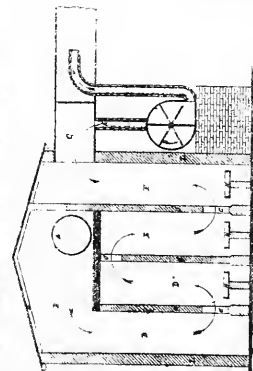
108,956. J. S. BARTLETT HEAD REST.

108,957. W. A. BATTERSBY COMPOUND  
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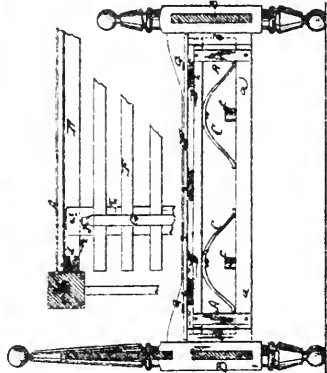
108,960. J. BEHE. BEE HIVE.

108,961. G. T. BENSON  
HAT AND COAT RACK.

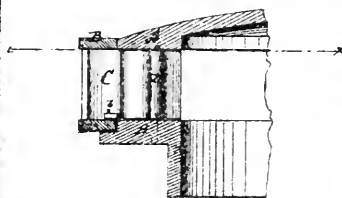
108,962. H. BRADFORD DORE WASHER.

108,963. J. C. BRANCH AND  
H. P. QUIN LINIMENT.108,965. J. E. BURROWS. APPARATUS  
FOR COOLING THE VAPORS  
OF OXIDE OF ZINC.

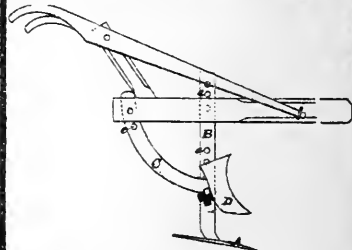
108,966 T. A. CARLESPRING BED BOTTOM



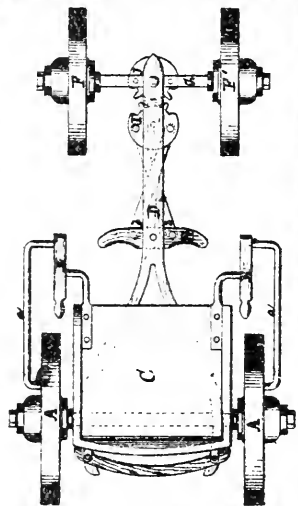
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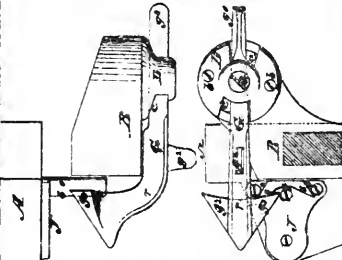
108,975 R. S. CROCKETT PLOW.



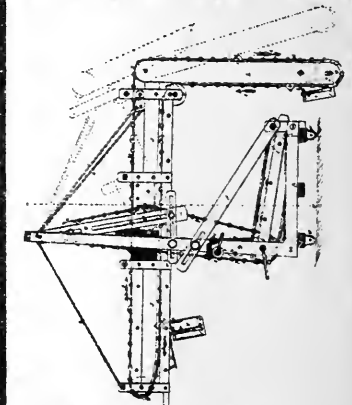
108,967. A. CHRISTIAN STEERING MECHANISM FOR VELOCIPEDS.



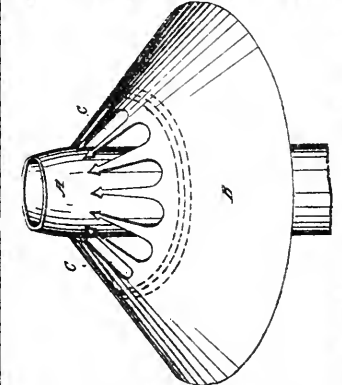
108,971 C. COLE. GATE LATCH



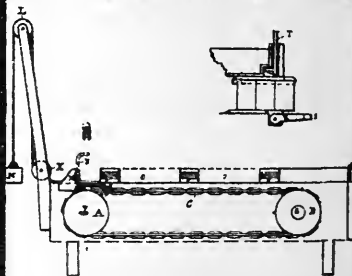
108,976. H. C. CROSBY PORTABLE ELEVATOR AND CONVEYOR



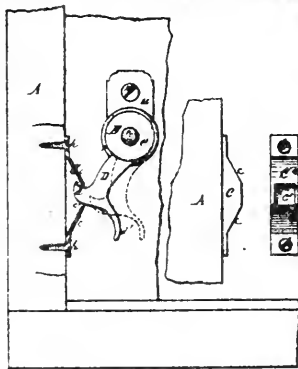
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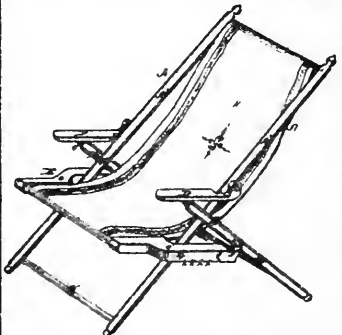
108,977. P. D. CUMMINGS. DEVICE FOR KEYING PAVING BLOCKS



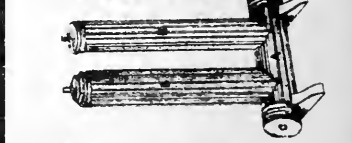
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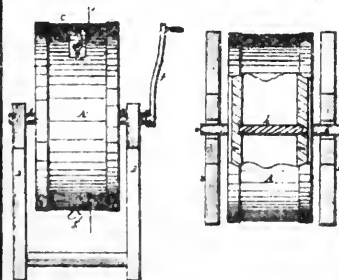
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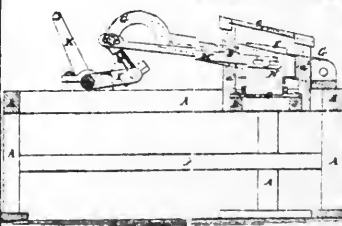
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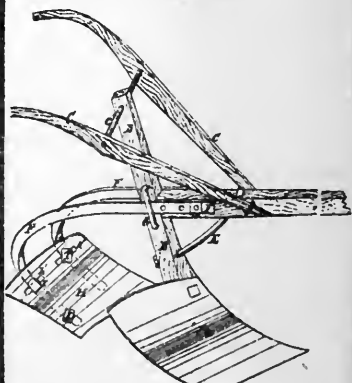
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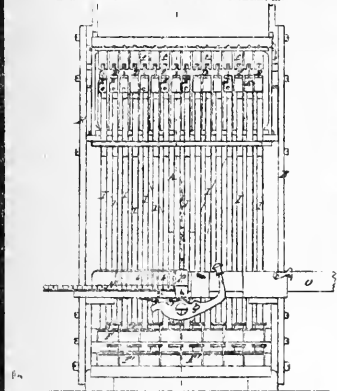
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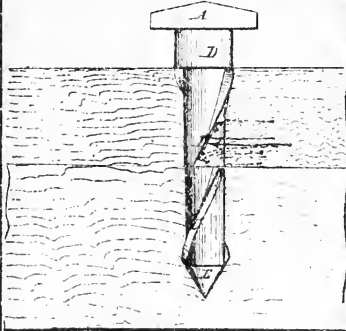
108,979. A. DAY. PLOW.



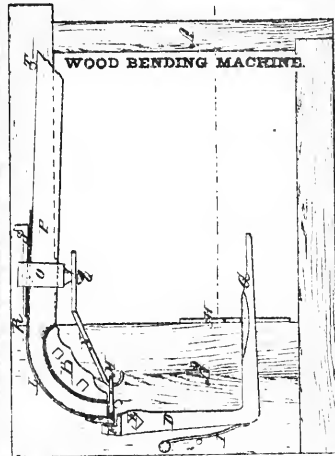
108,980. M. DE LA PEÑA  
TYPE SETTING MACHINE.



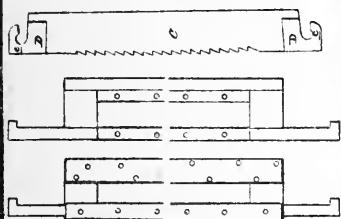
108,986. A. C. AND I. L. DUNN  
SCREW SPIKE FOR RAILROADS



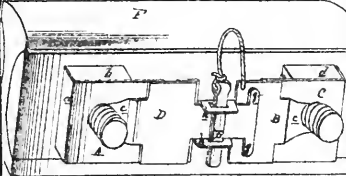
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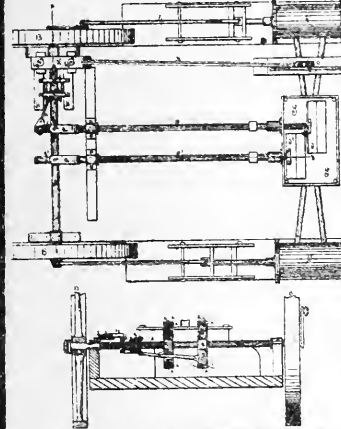
108,981. M. DELUDE. SAW MILL.



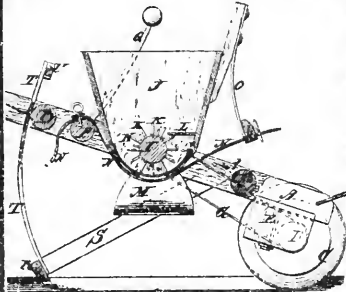
108,987 P. DYER, JR., A. PARKER, AND  
W. B. WAY LOCK NUT.



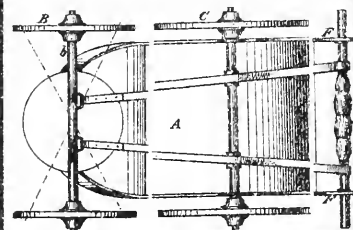
108,982. W. B. DODDRIDGE.  
VALVE GEAR FOR STEAM ENGINE.



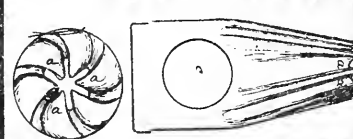
108,988 J. M. ELLIOTT SEED PLANTER.



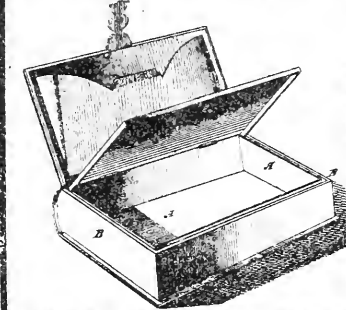
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CHILDREN'S CARRIAGE.



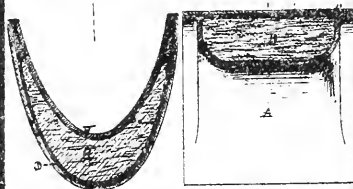
108,994. J. T. FOSTER  
WINDOW SASH WEIGHT.



108,989. J. ELSON. LUNCH BOX.

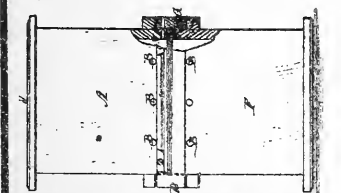


108,995 J. FRASER HORSE COLLAR PAD.



108,983. J. E. DOTCH.  
PRESERVING MEAT FISH OYSTERS, &c.

108,984. J. A. DOUGLASS. BEE HIVE.



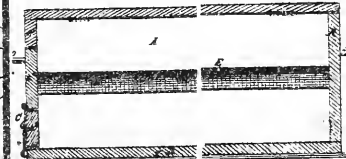
108,990. J. E. EMERSON  
BLANK FOR SAW TEETH.



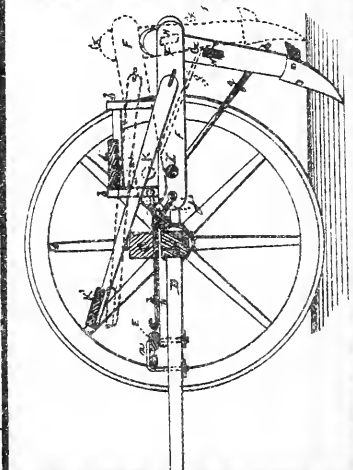
108,985. C. S. DUNBRACK  
INSOLE FOR MANUFACTURING SHOES



108,991. W. S. ESTEY AND  
I. S. CLOUGH ASH SIFTER.

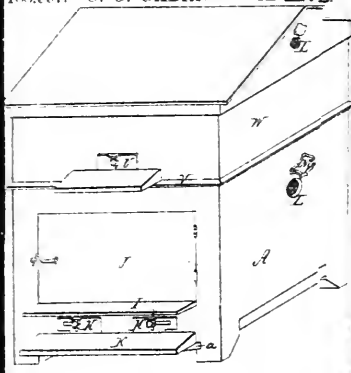


108,996. D. FULLER.  
ATTACHMENT OF CULTIVATOR  
FRAMES TO WAGON AXLE TREES.

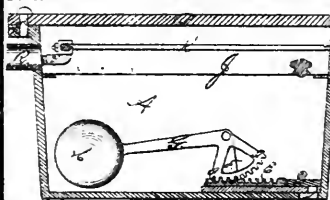




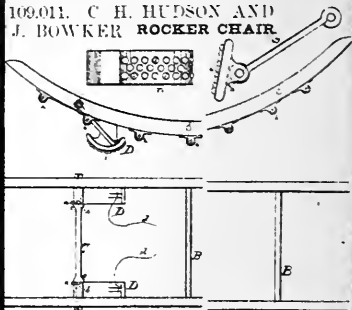
108,997. G. G. GABRION BEE HIVE.



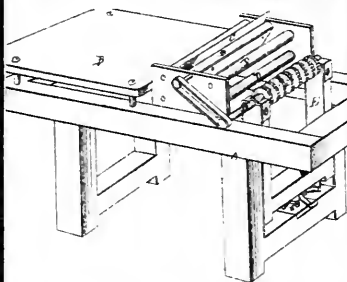
109,004. M. C. GOVE STEAM TRAP.



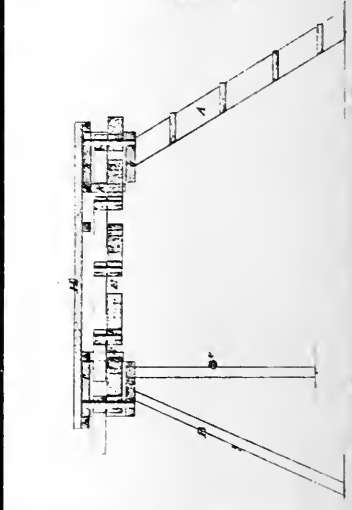
109,011. C. H. HUDSON AND J. BOWKER ROCKER CHAIR.



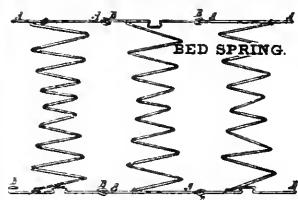
109,005. J. T. HALL LATH MACHINE.



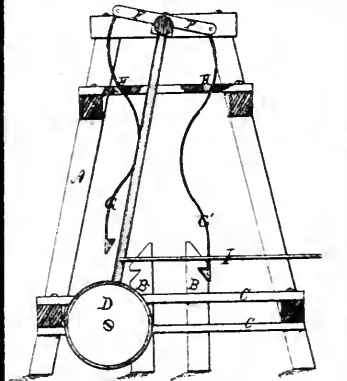
109,012. J. HUGHES EXTENSION SCAFFOLD.



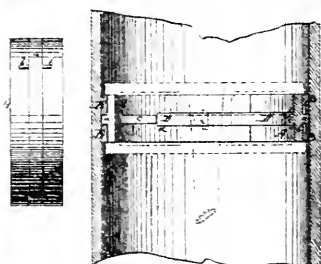
108,998. D'ALEMBERT. GALE.



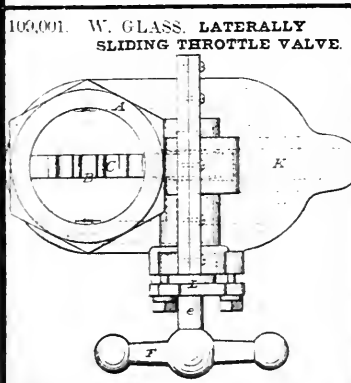
109,006. J. HART. PENDULUM CRUSHING MILL.



108,999. J. GATES. PISTON PACKING.

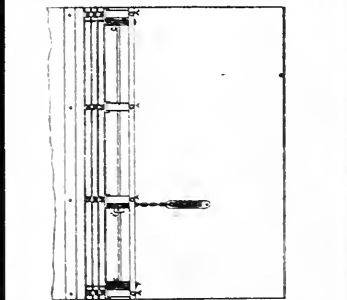


109,000. W. GELLER. COMPOSITION FOR PENCILS.

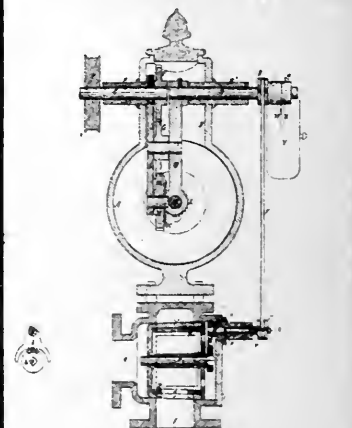


109,001. W. GLASS. LATEROALLY SLIDING THROTTLE VALVE.

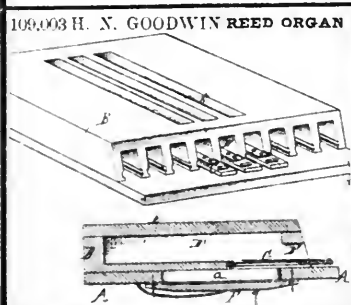
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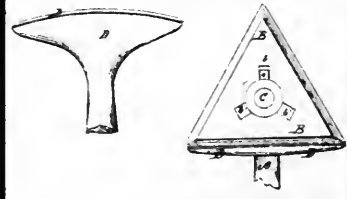
109,013. R. K. HUNTOON GOVERNOR FOR STEAM ENGINE.



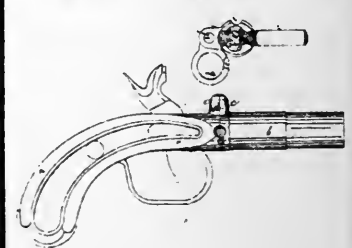
109,002. J. P. GODFREY ROOFING COMPOSITION.



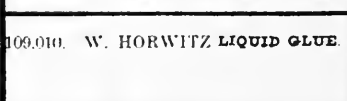
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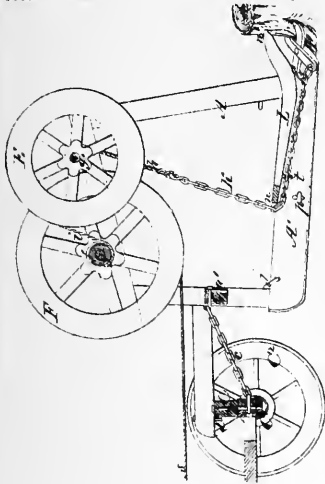
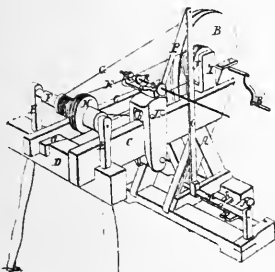
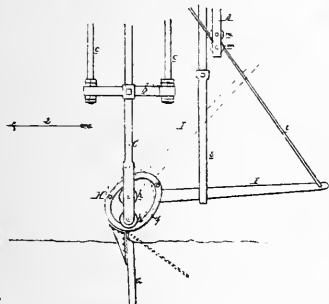
109,014. R. HUTCHISON FIRE CRACKER PISTOL OR HOLDER.



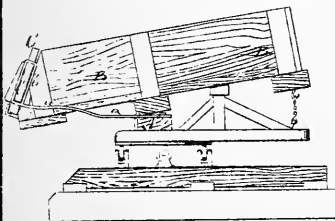
109,009. C. E. L. HOLMES PREPARATION OF PEAT.



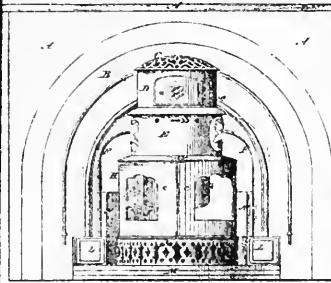
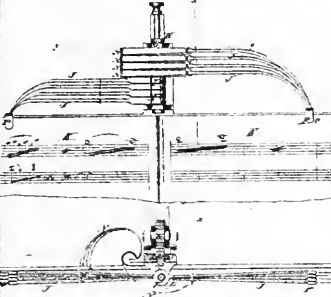
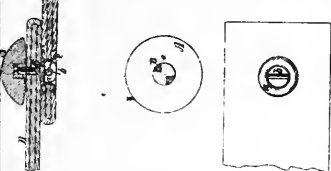
109,010. W. HORWITZ LIQUID GLUE.

109,015. J. A. JENKINS.  
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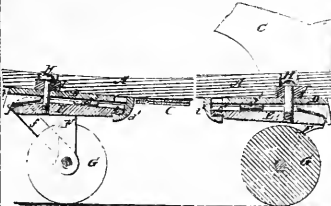
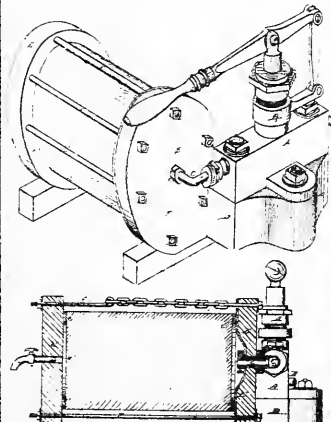
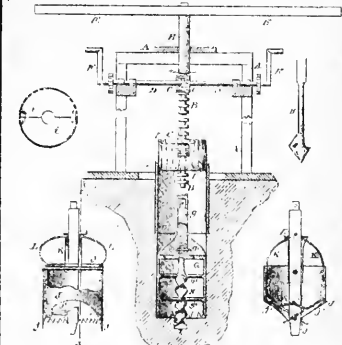
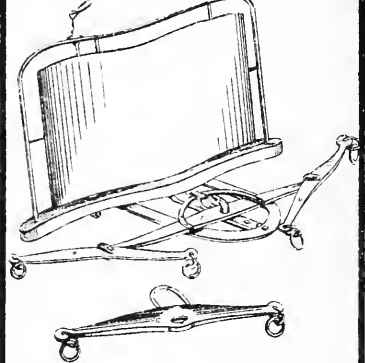
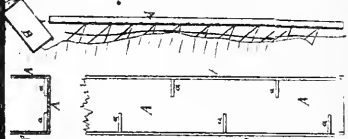
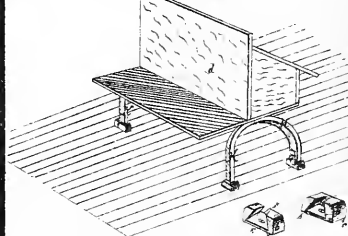
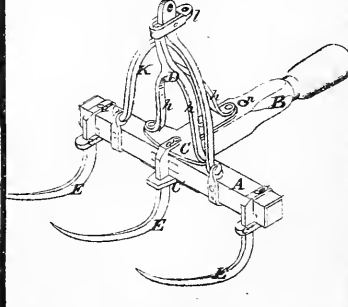
109,020. S. D. KING. DUMPING CAR.

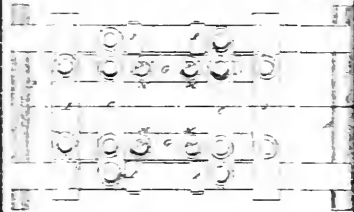
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109,022 P. KLOTZ. FIRE PLACE STOVE

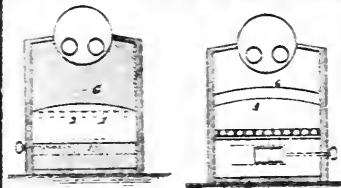
109,023. A. KRAFFT.  
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109,026. T. F. LEAK. PARLOR SKATE.

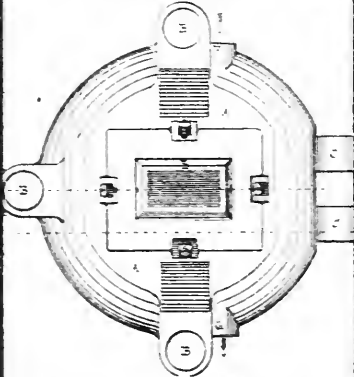
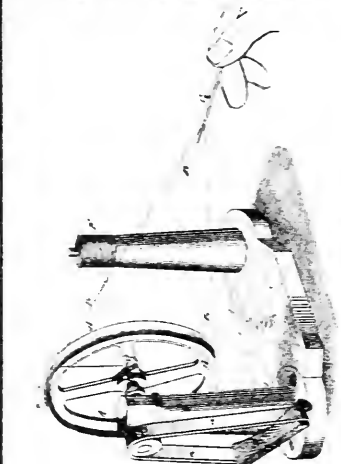
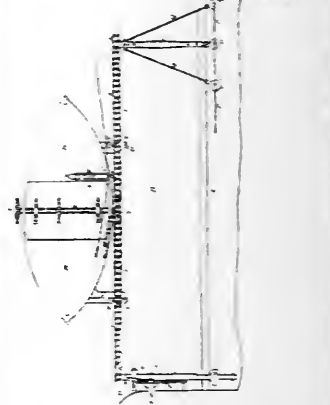
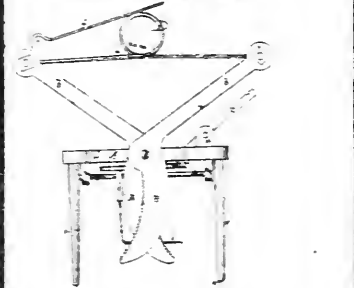
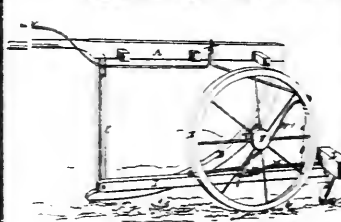
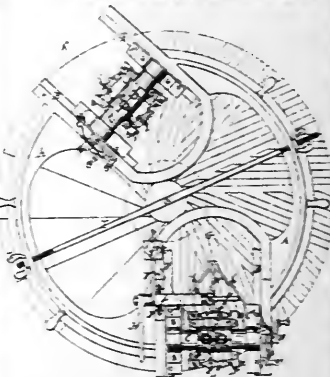
109,027. F. LEAR.  
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109,033. A. W. McROWN  
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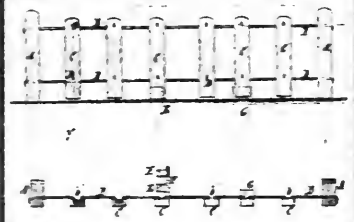
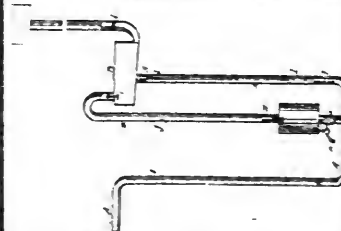
109,034. C. NEAMES SETTING BOILERS



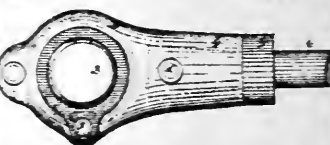
109,044. M. ORMSBEE. PIN CUSHION.

109,044. W. MENDHAM AND  
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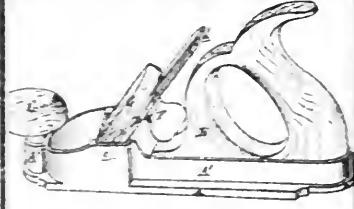
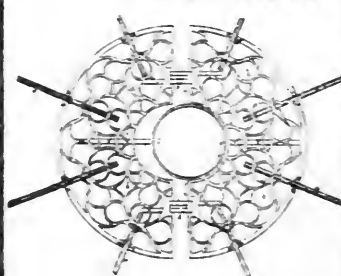
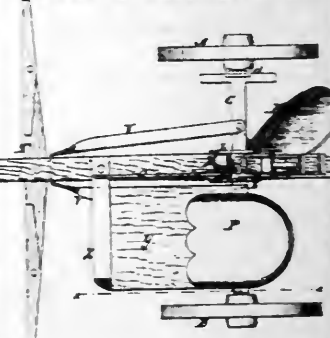
109,036. U. D. MICHILLS FENCE.

109,042. N. NOLAN  
HYDRAULIC APPARATUS

109,047. C. H. PERKINS. PITMAN.



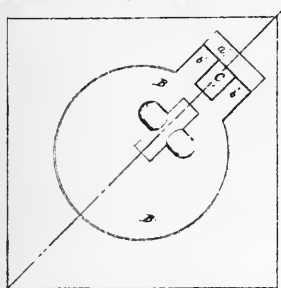
109,037. E. H. MORRIS. PLANE

109,043. J. O'MALLEY  
STOVE PIPE GRATE109,048. J. O. POTTER  
DEVICE FOR OPERATING FLOWE.

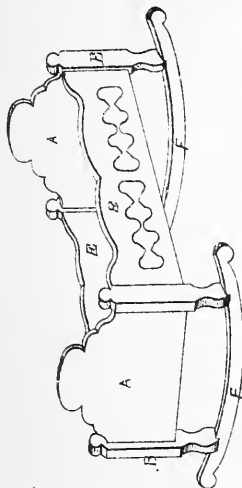
109,038. E. MURRAY TOOL HANDLE



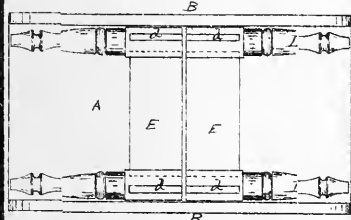
109,049. W. W. PULLIS. TOP OF GAS AND WATER STOP-COCK BOXES.



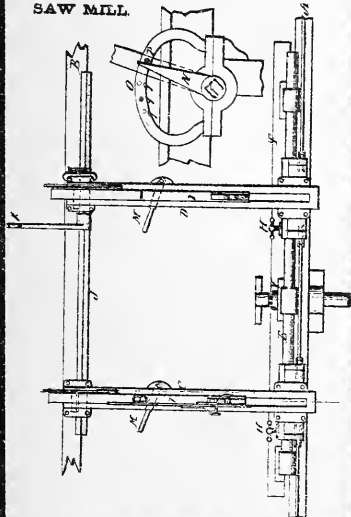
109,050. D. M. REYNOLDS. PORTABLE CRADLE OR CRIB.



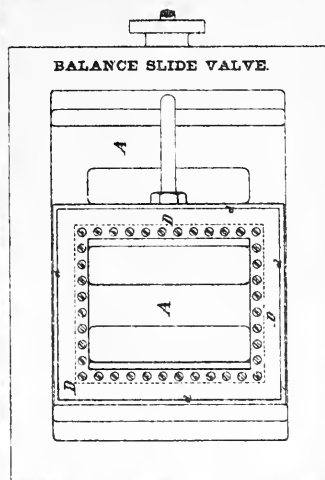
109,051. D. M. REYNOLDS TABLE.



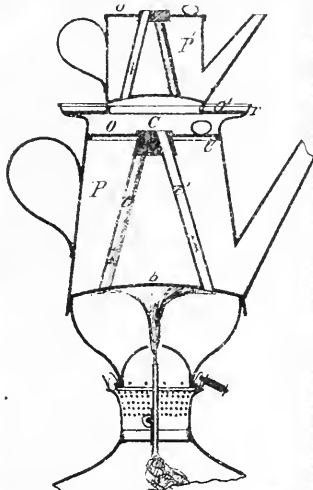
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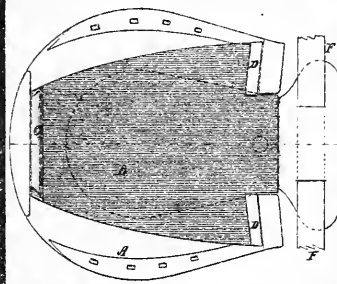
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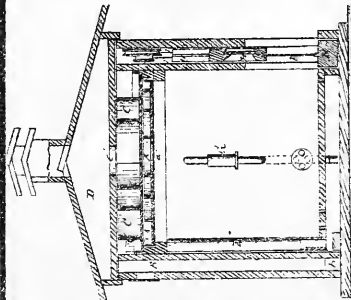
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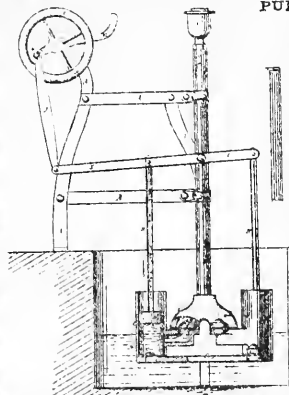
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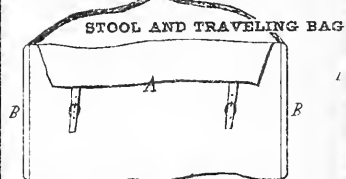
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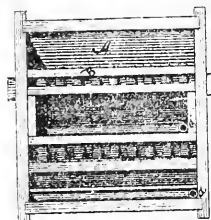
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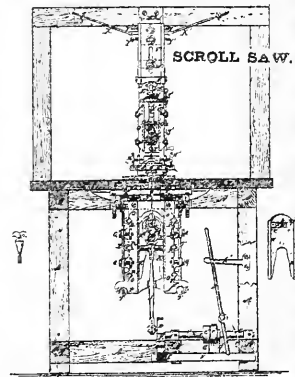
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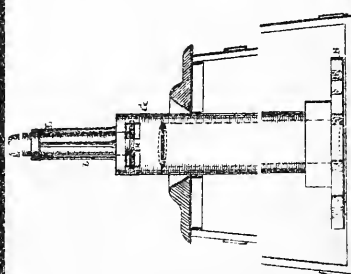
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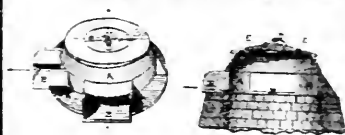


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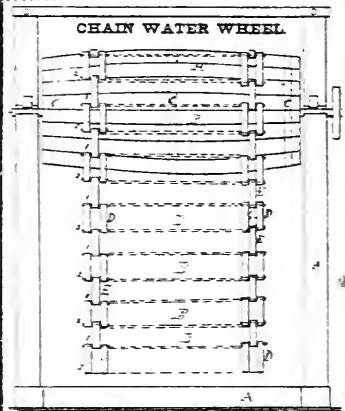
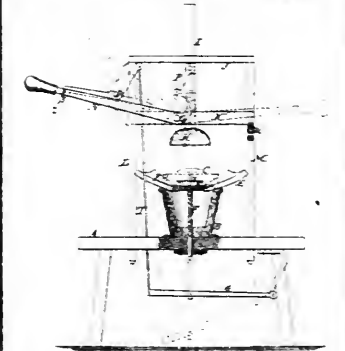


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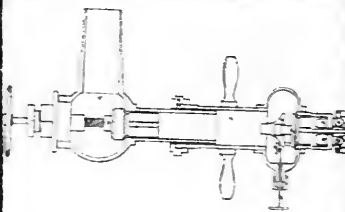
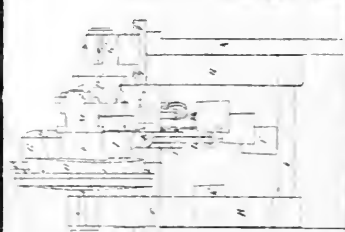
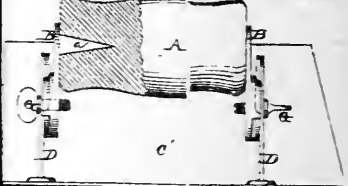


109,062. A. AND C. SHERWOOD  
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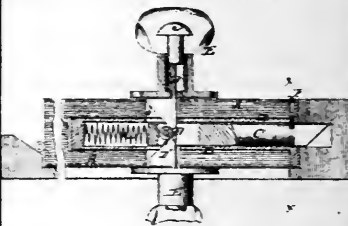
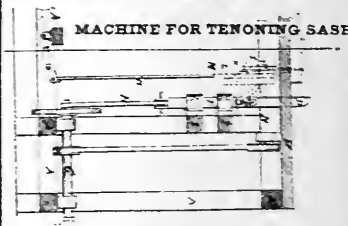
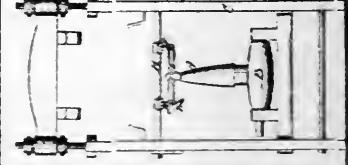
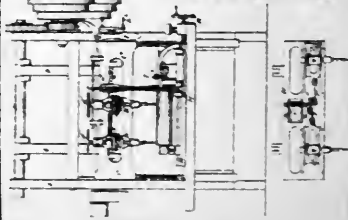
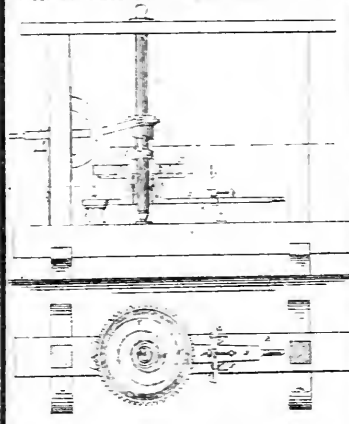
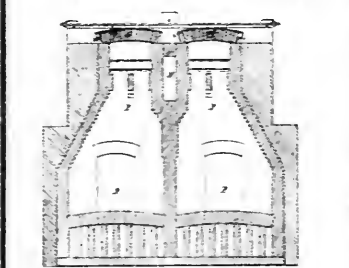
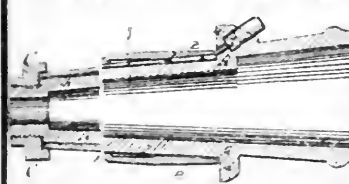
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109,070. W. C. STERN AND  
J. W. ROBINSON BUTTER PRINTER.

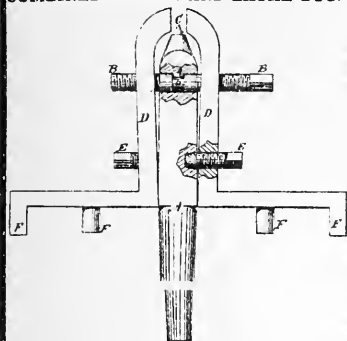
109,071. F. STITZELBARREL FILLER.

109,072. G. W. STOUT.  
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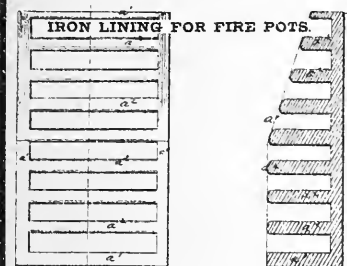
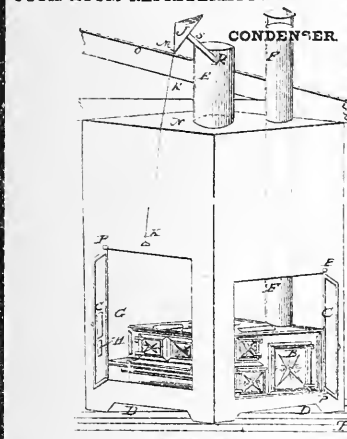
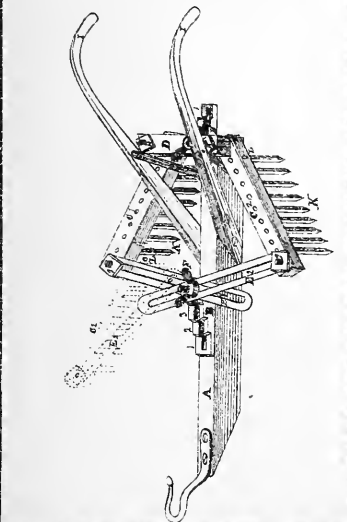
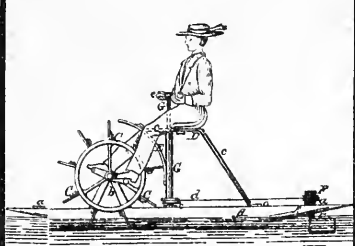
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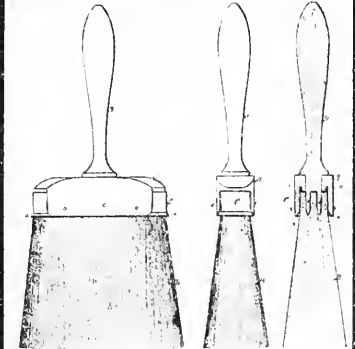


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COMBINED CENTER AND LATHE DOG.

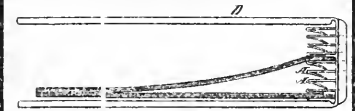
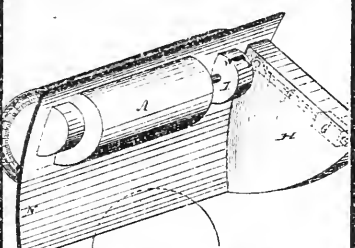
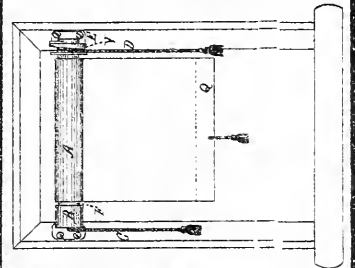
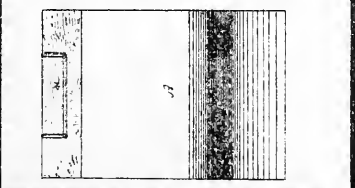
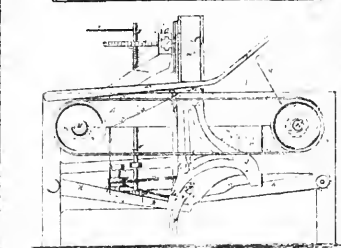
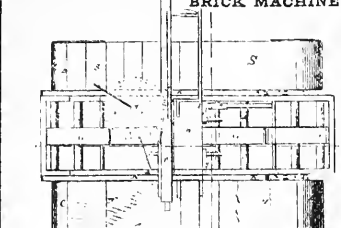
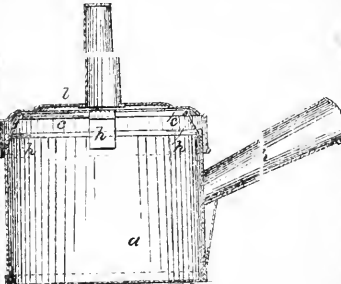
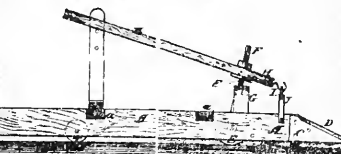
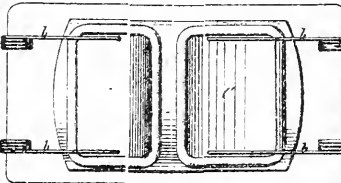
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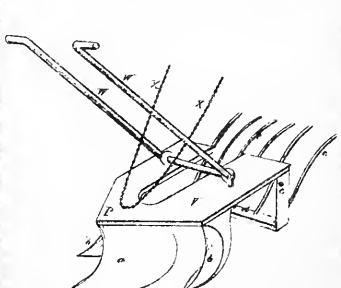
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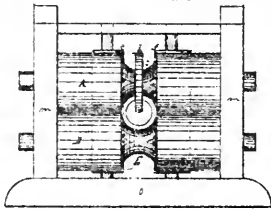
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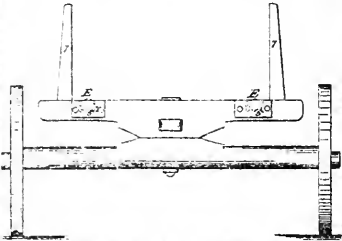
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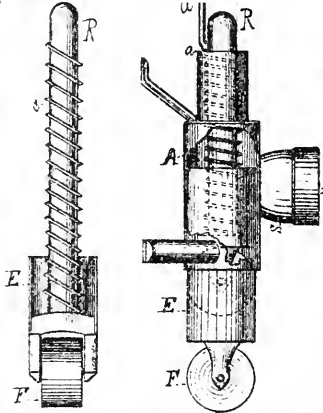
109,094. E. G. WOODWORTH.  
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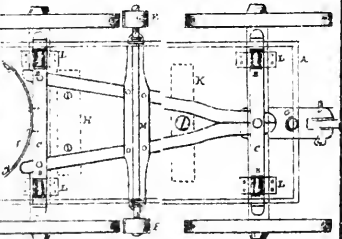
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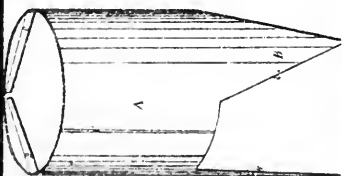
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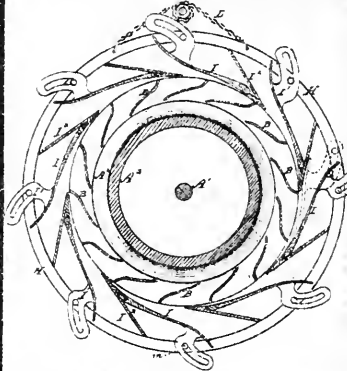
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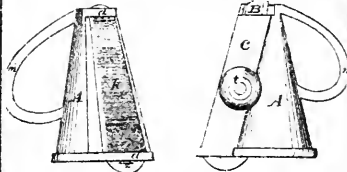
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TREE PROTECTOR.



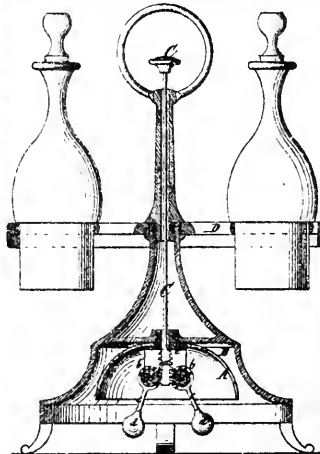
109,099. B. J. BARBER. WATER WHEEL.



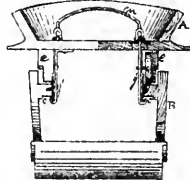
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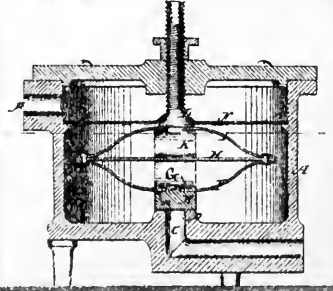
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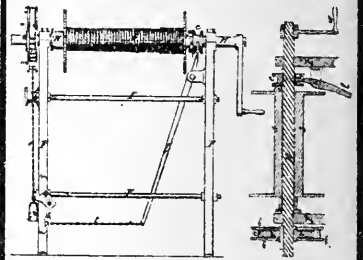
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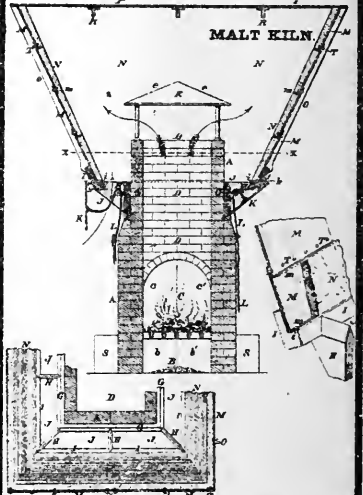
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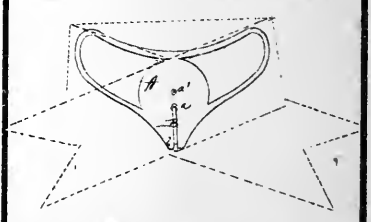
109,104. C. T. BELBIN  
OYSTER DREDGE WINDER.



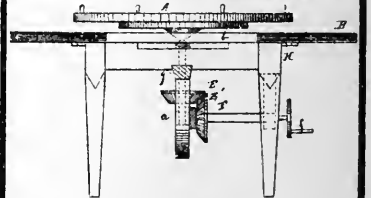
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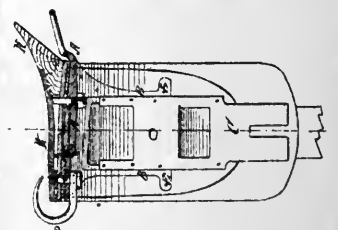
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NECK TIE FASTENING.

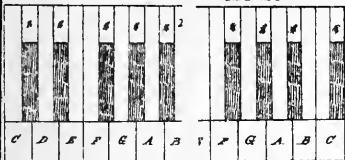


109,107. D. BOARDMAN.  
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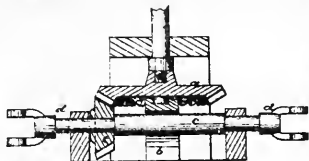
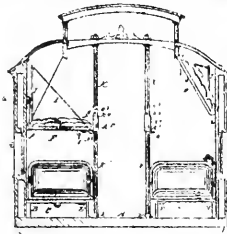
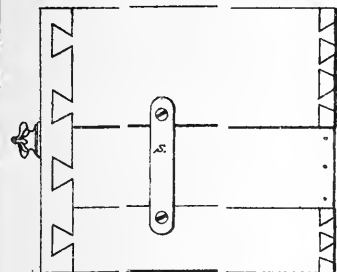
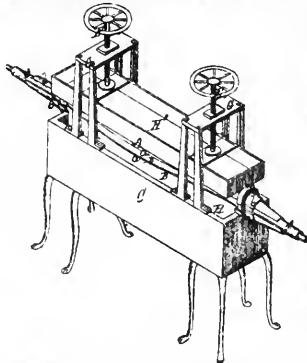
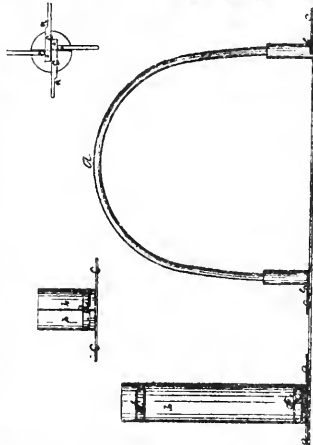
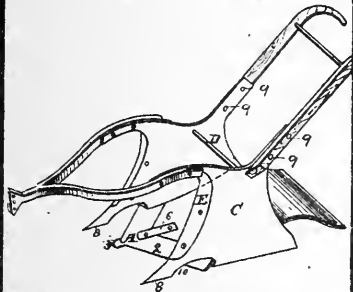
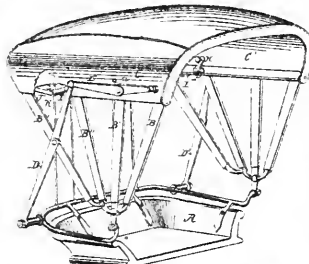


109,108. V. BORST. HARNESS SADDLE.

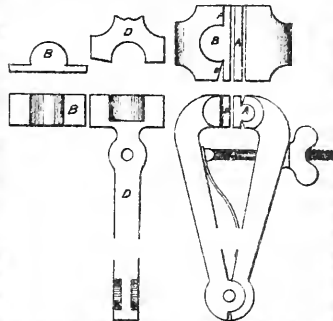
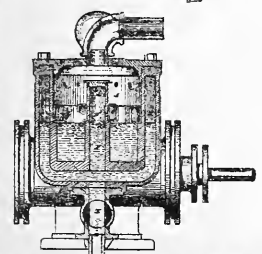
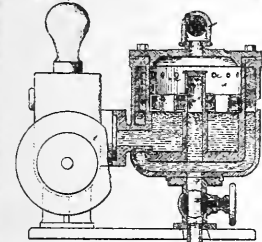


109.109. P. G. BRYAN. TRANSPOSING  
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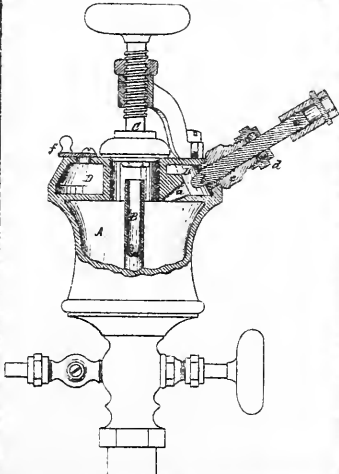
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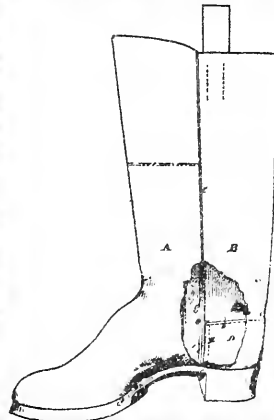
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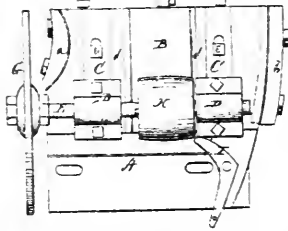
109.118. I. DREYFUS. LUBRICATOR.



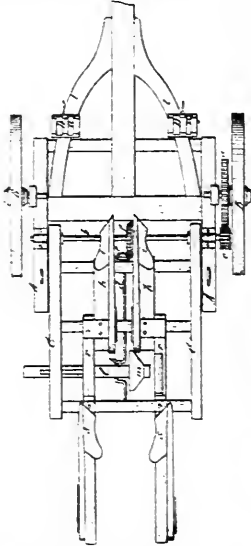
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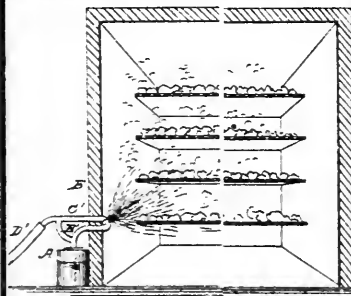
109.123. C. S. GRIFFIN AND  
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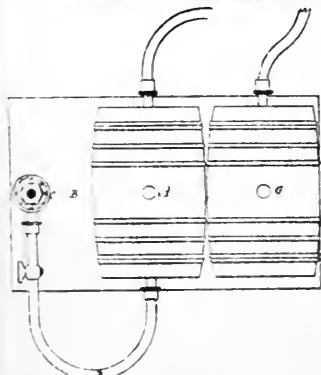
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COTTON SCRAPER AND CHOPPER.



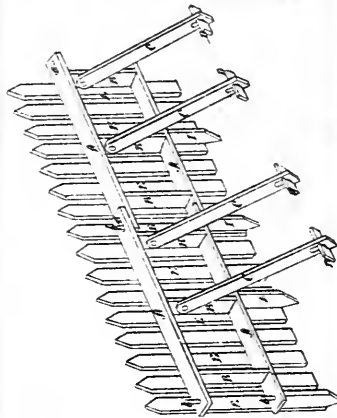
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MANUFACTURE OF WHITE LEAD.



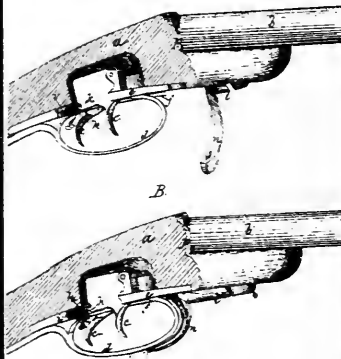
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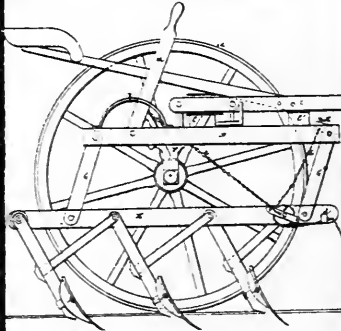
109.127. C. N. HITCHCOCK AND  
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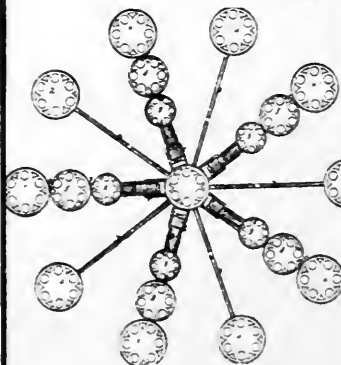
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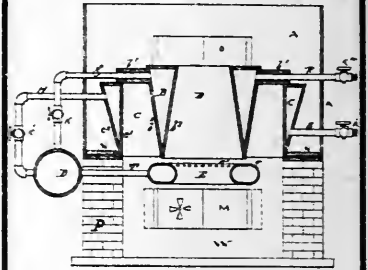
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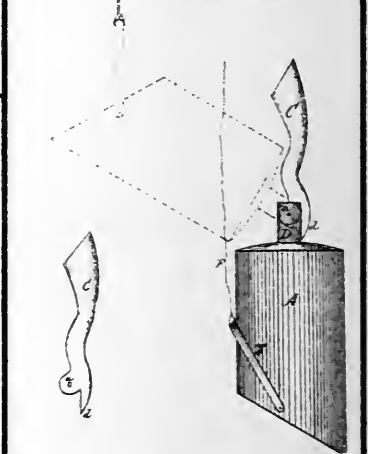
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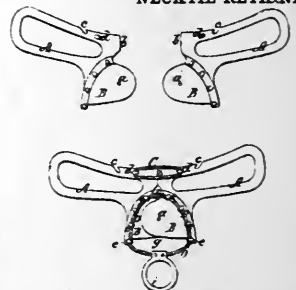
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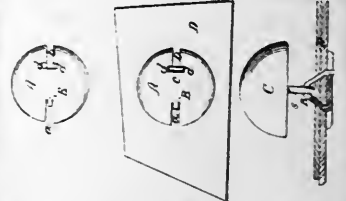
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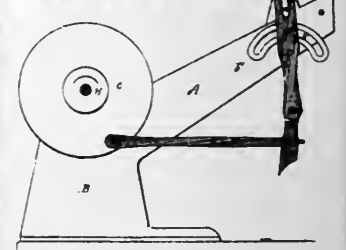
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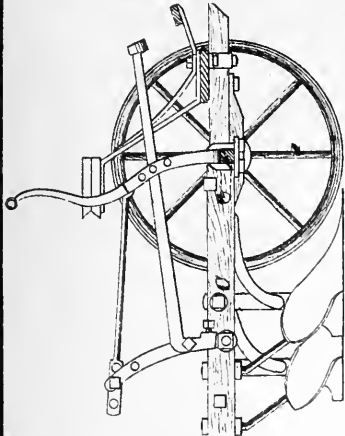
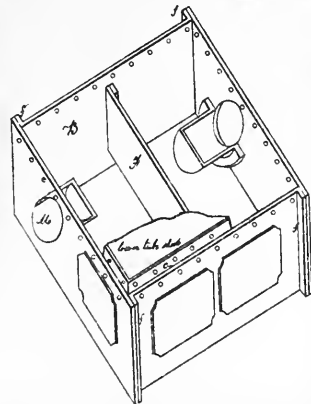
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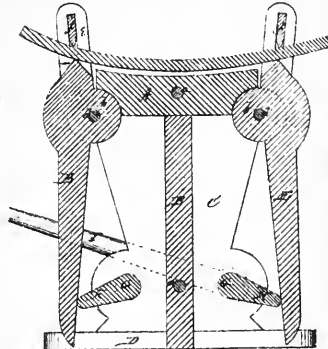
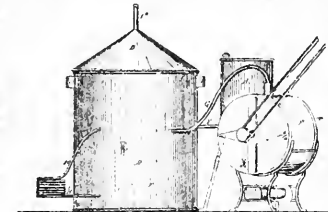
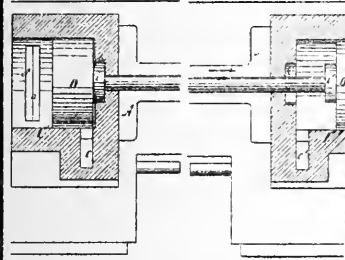
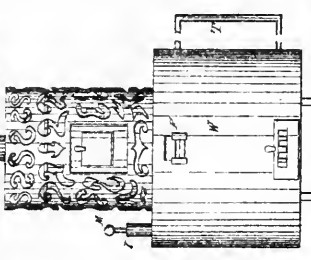
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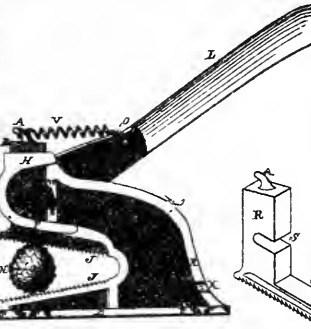
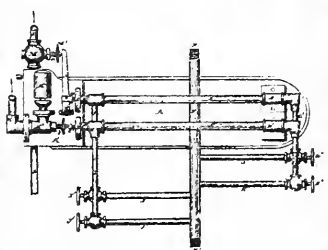
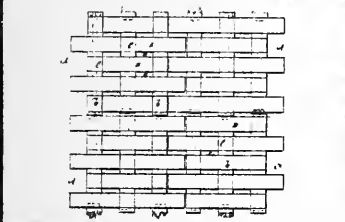
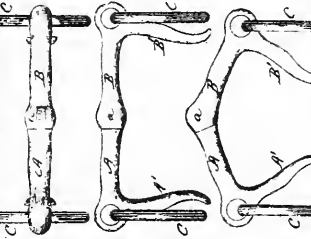
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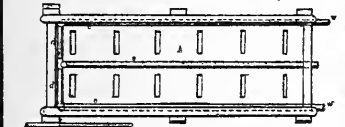
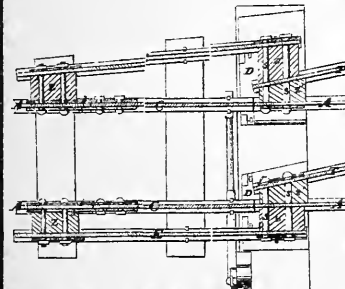
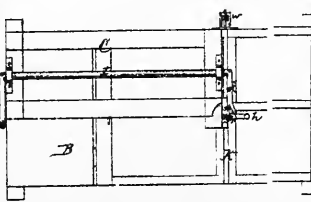
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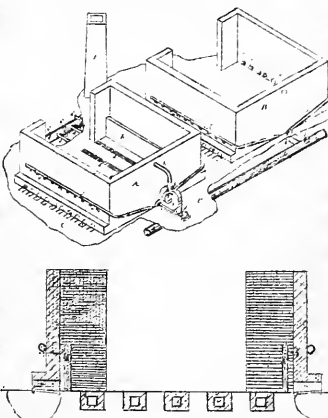
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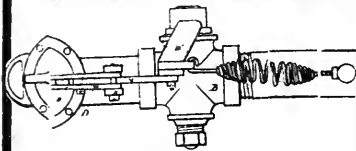
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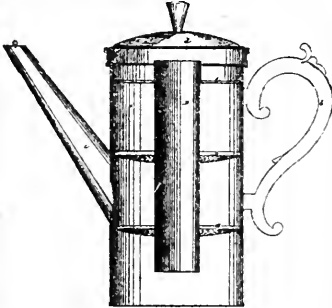
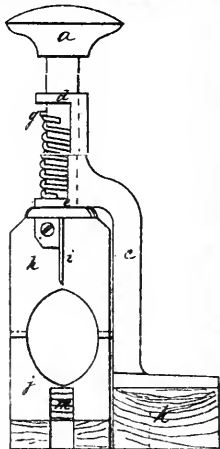
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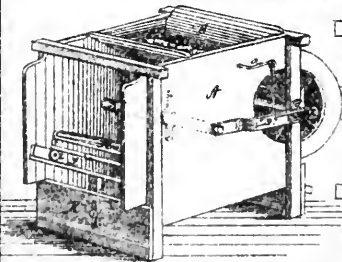
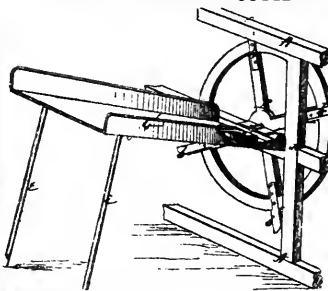
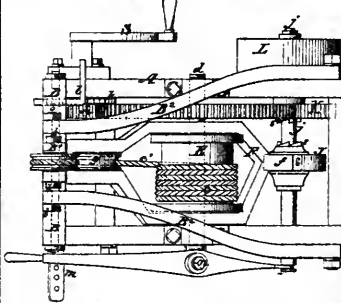
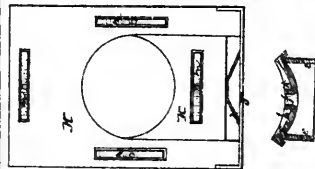


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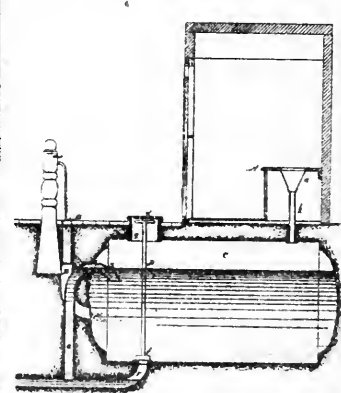
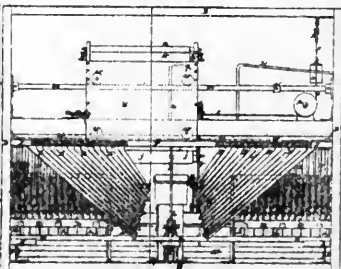
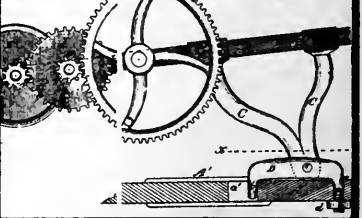
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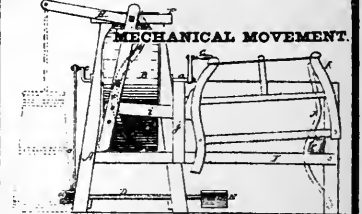
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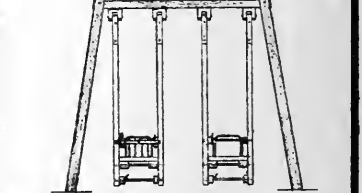
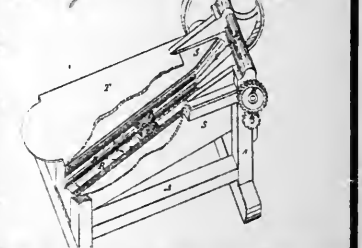
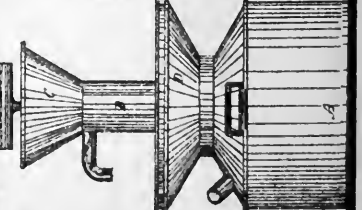
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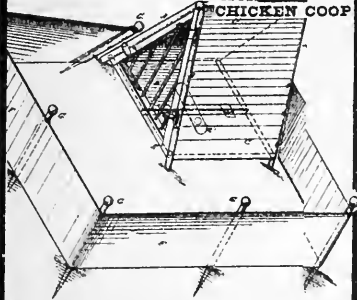
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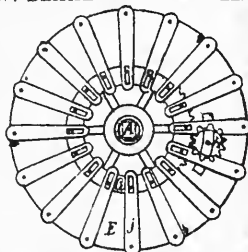
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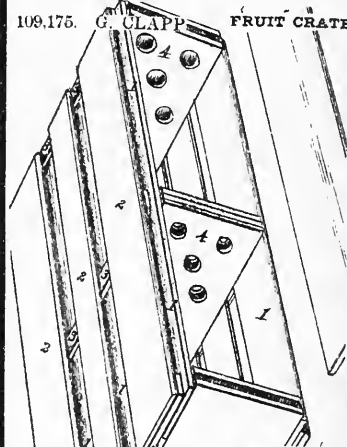
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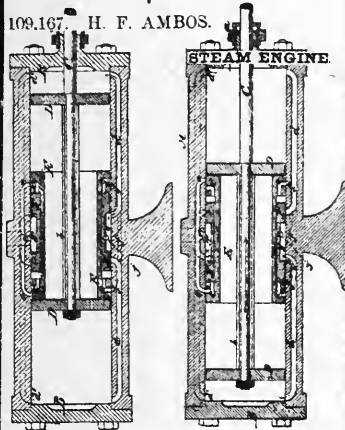
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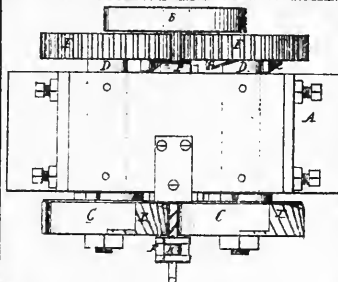
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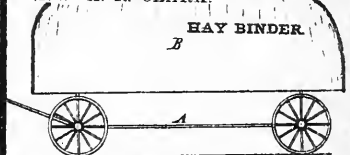
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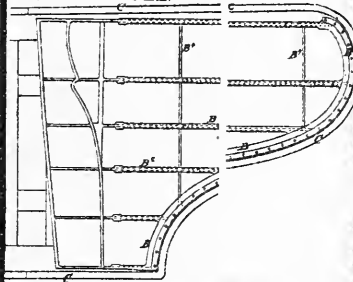
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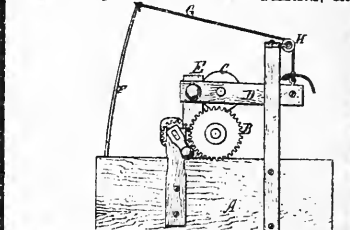
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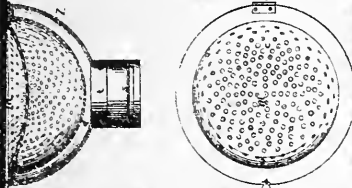
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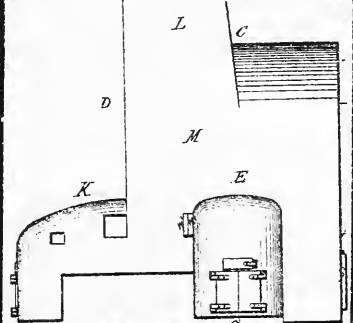
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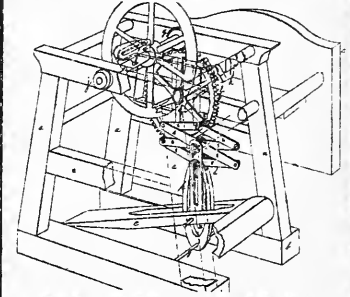
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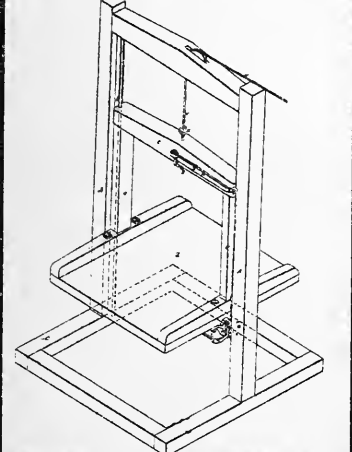
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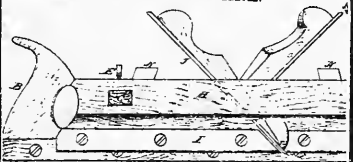
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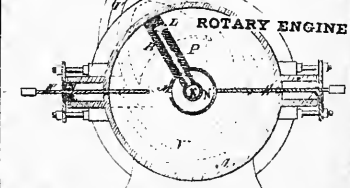
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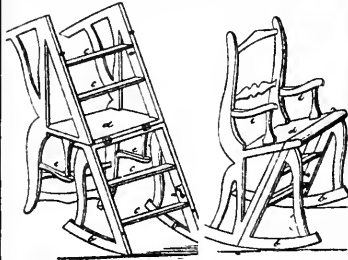


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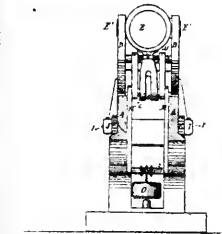
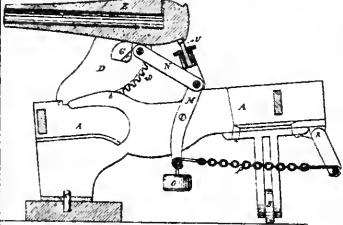
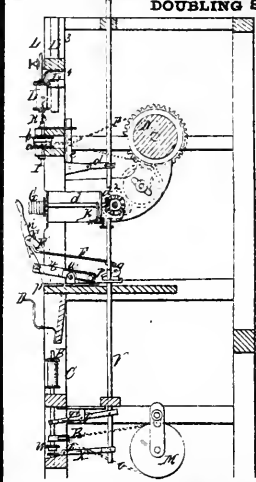
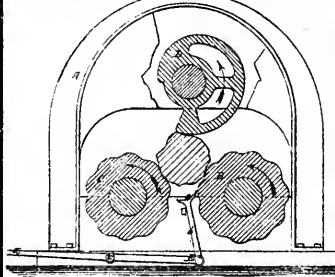
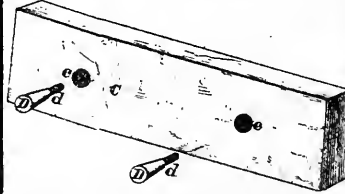


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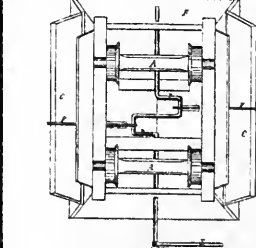


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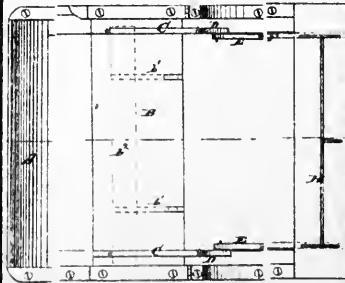
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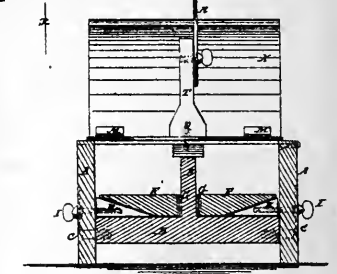
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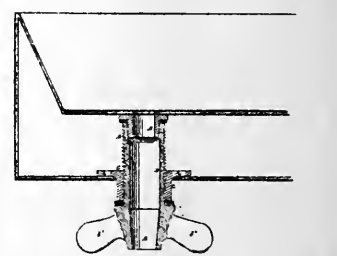
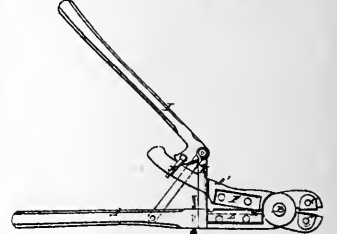
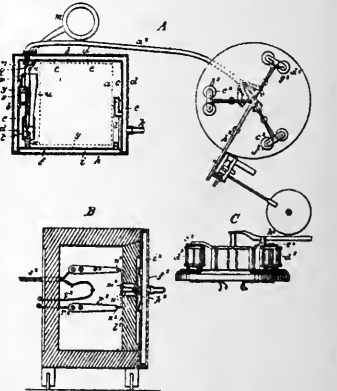
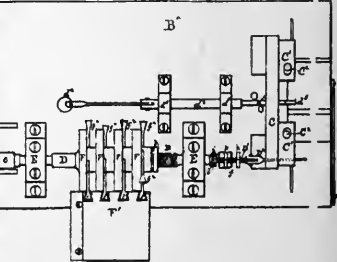
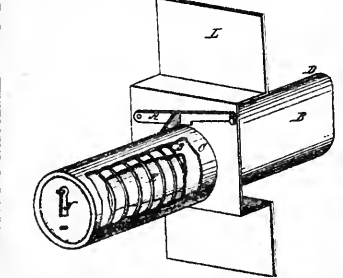
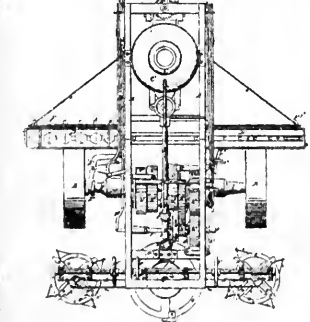
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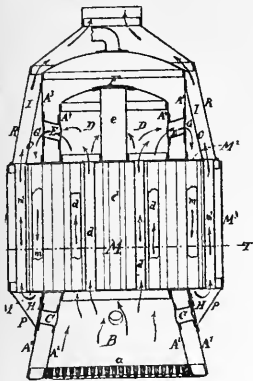
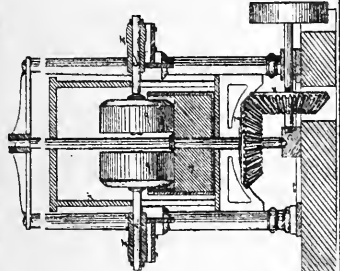
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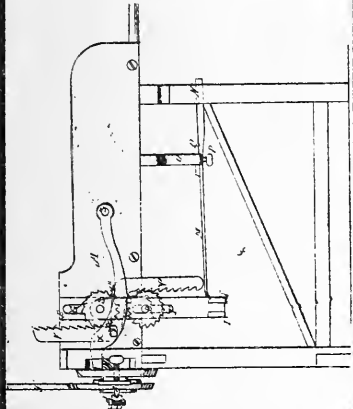
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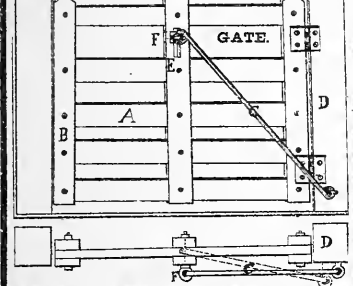
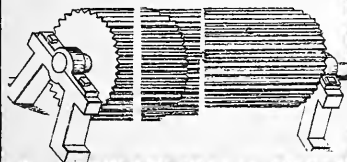
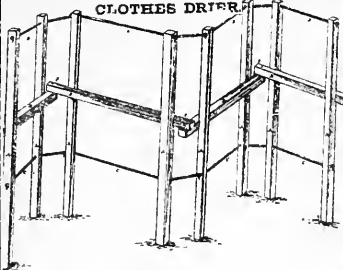
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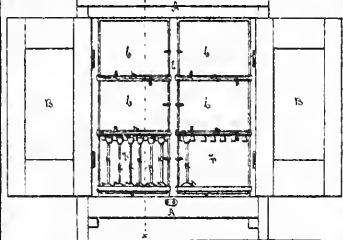


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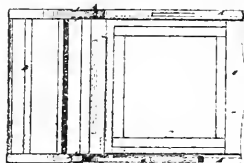
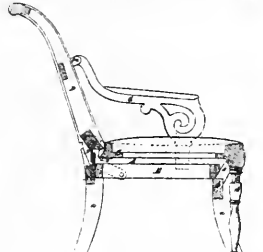
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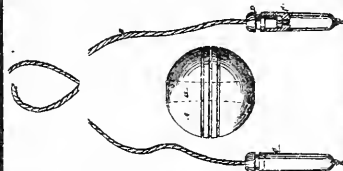
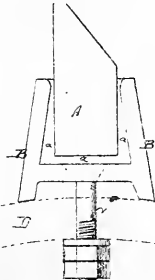
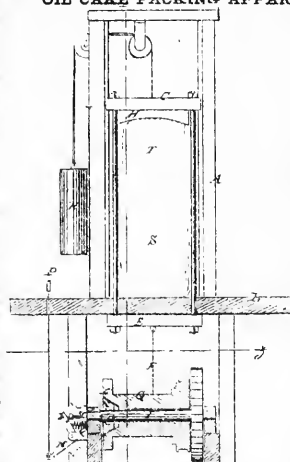
109.201. L. L. GOODWIN BEE HIVE.



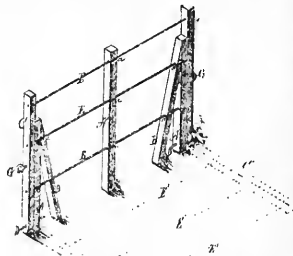
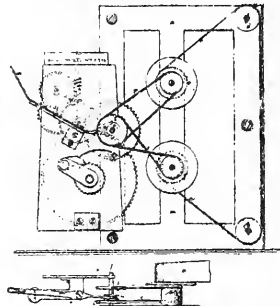
109.202 E. HAGAN CHAIR AND LOUNGE

109.203. H. H. HANMER  
HORSE AND CATTLE LINIMENT

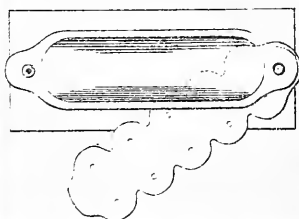
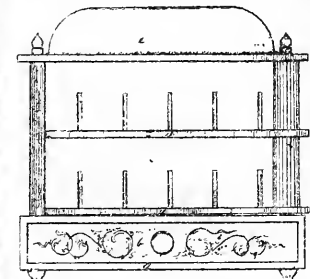
109.204. G. HARTZ TOY BALL

109.205. H. C. HAVEMEYER AND  
D. P. BURDON ATTACHING DICING  
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FOR POLISHING LEATHER.109.206. W. HAWES  
OIL CAKE PACKING APPARATUS

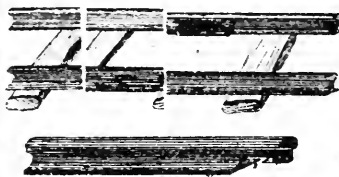
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109.208. W. HEBDON  
ADVERTISING APPARATUS.

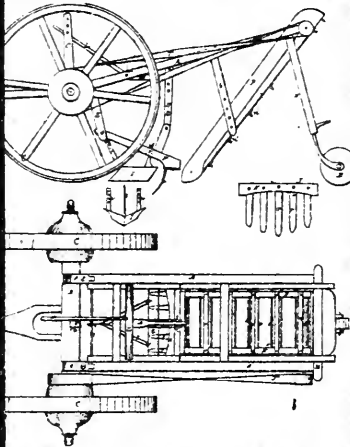
109.209 E. C. HEYWOOD SPOOL STAND.



109,210 N. HILL RAILWAY RAIL JOINT.

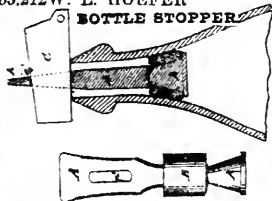


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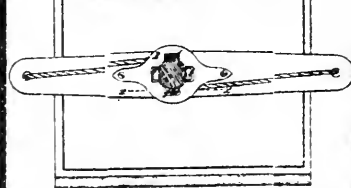
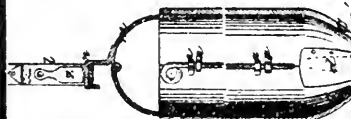
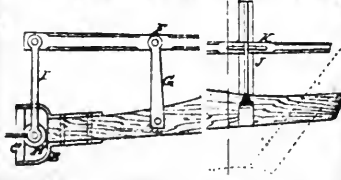


109,212 W. L. HOEFER

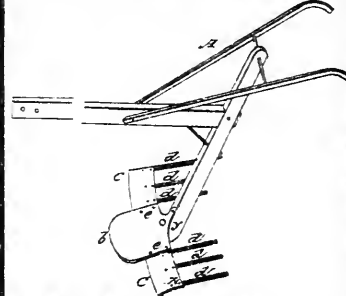
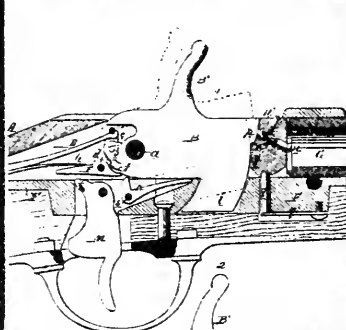
BOTTLE STOPPER.

109,213 C. W. HOLBROOK AND  
E. F. BUTLER.

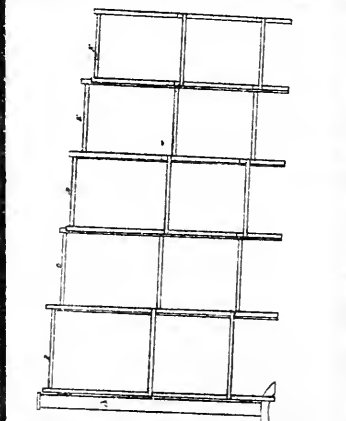
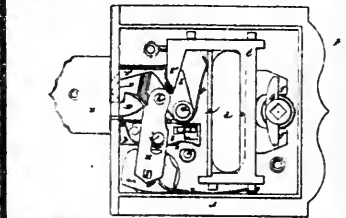
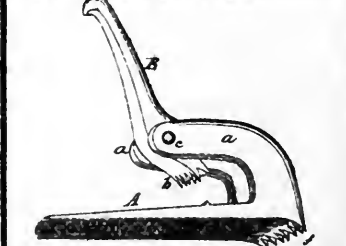
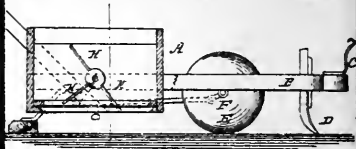
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109,214 J. AND T. J. INGLES  
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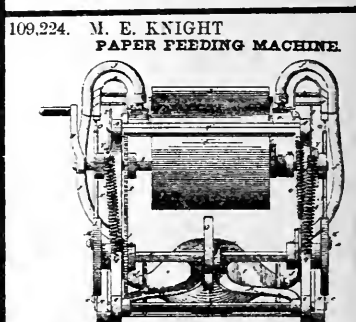
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109,218 B. F. JOSLYN  
BREECH LOADING FIRE ARM.

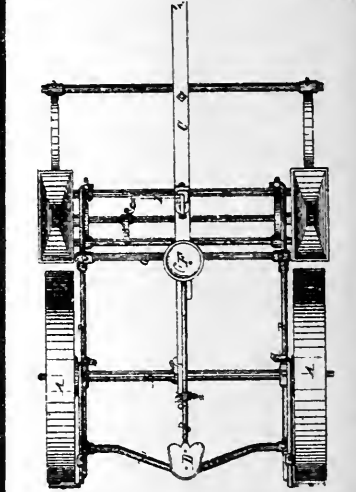
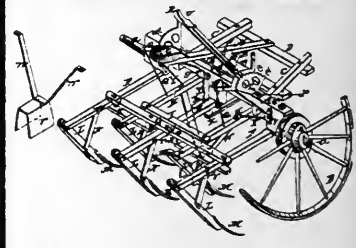
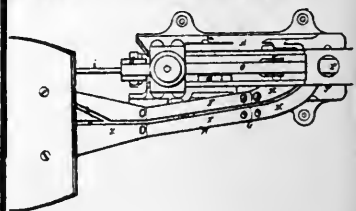
109,219 J. KASPAR CLOTHES DRIER.

109,220 E. J. KEHOE COMBINED LOCK  
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109,223 SUSPENDED.

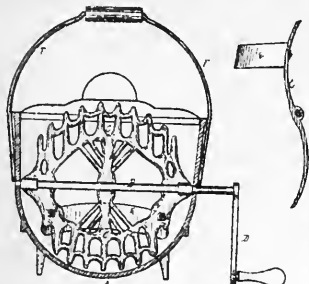


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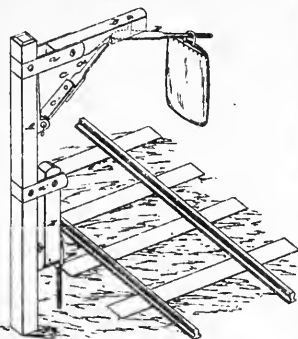
109,226 L. LEHMANN COMBINED  
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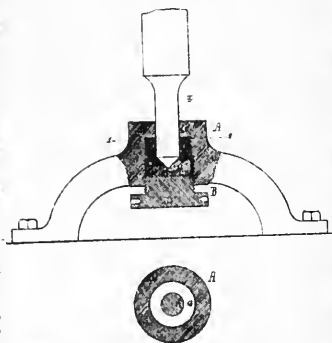
109,228. N. LINDEN COFFEE ROASTER.



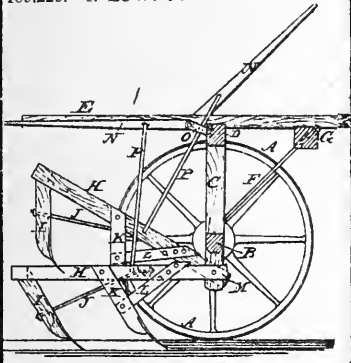
109,233. J. B. McLAIN DEVICE FOR DELIVERING MAIL BAGS TO CARS.



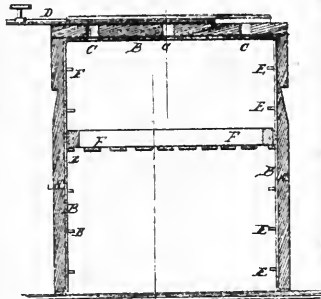
109,238. E. D. MURFEY SPINDLE STEP.



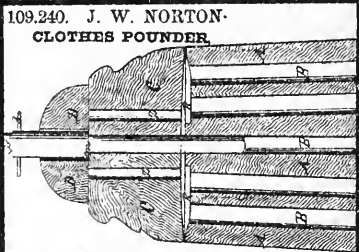
109,229. I. LOW. CULTIVATOR.



109,234. J. P. MILLER. DRIER.

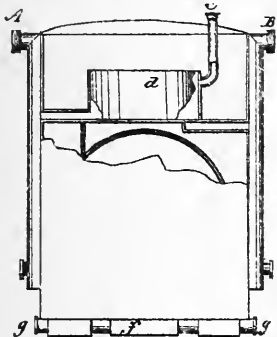


109,239. E. D. MURFEY MATERIAL FOR BEARINGS AND JOURNALS.

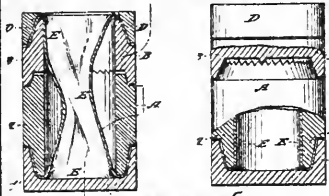


109,240. J. W. NORTON. CLOTHES POUNDER.

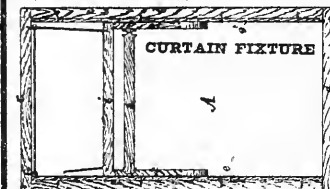
109,230. G. LOWEN AND S. H. GOLDTHORP DRY GAS METER.



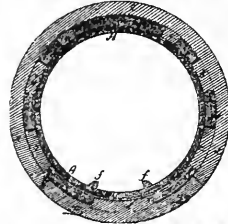
109,235. J. MONAGHAN MATCH BOX.



109,241 J. L. OLIVER

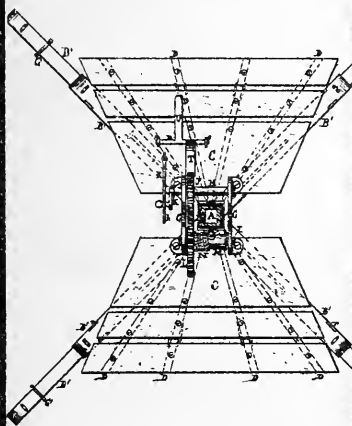


109,242. W. ORD. PISTON PACKING.

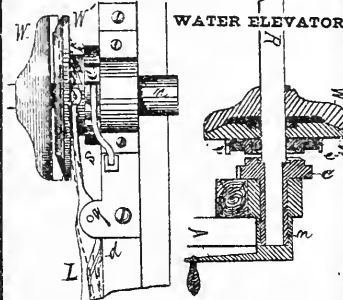
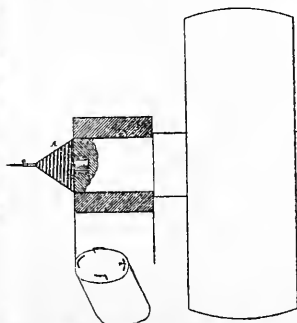


109,231 P. M. MCGILL ARTIFICIAL FUEL.

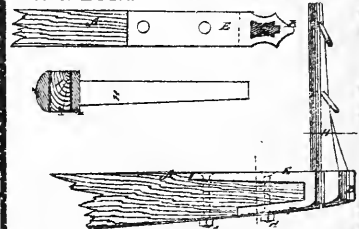
109,232. G. MCKENZIE. ELEVATOR.



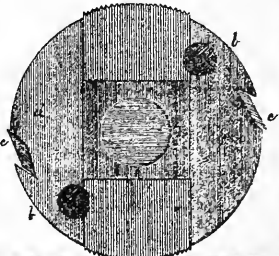
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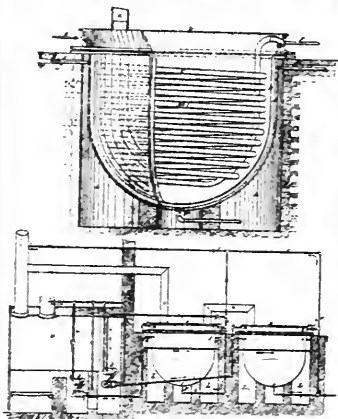
109,237. E. D. MURFEY  
MODE OF PREVENTING THE HEATING  
OF AXLES OR JOURNALS

109,243. J. W. PEARMAN AND J. F. C. LUTZ. BOLSTER FOR WAGONS.

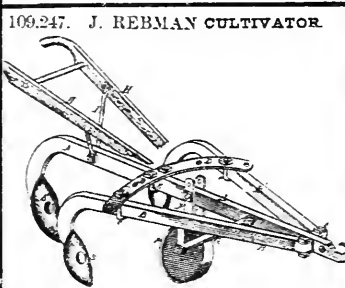
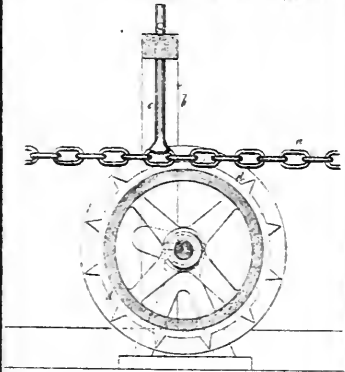
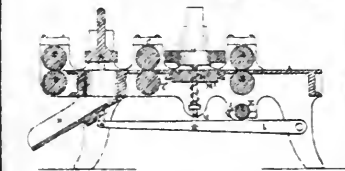


109,244. D. W. PERRY. CUTTER HEAD.

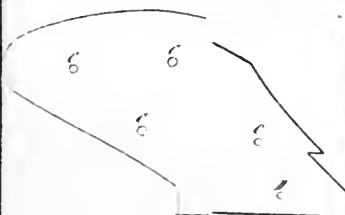
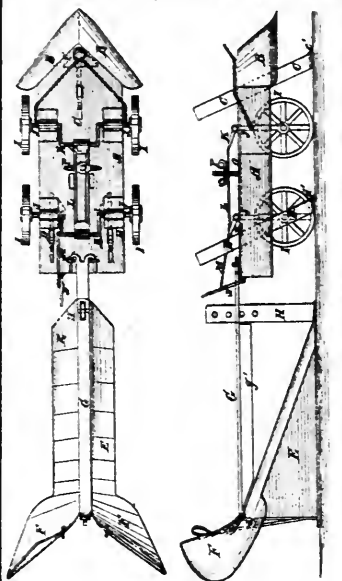
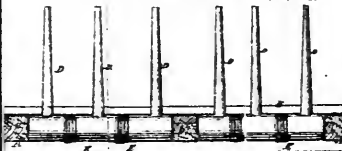


109,245. J. B. POLLOCK.  
MANUFACTURE OF VARNISH.

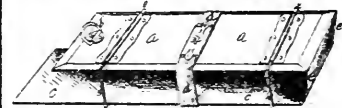
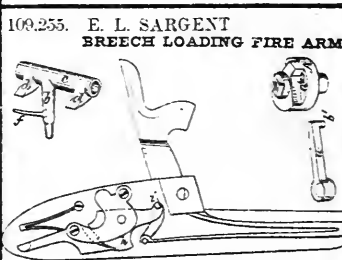
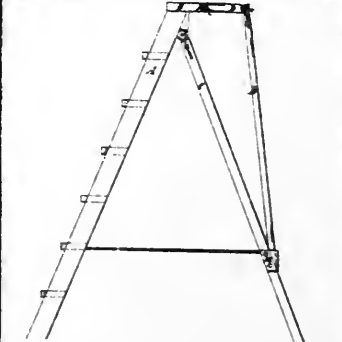
109,246. O. PORTER ROOFING CEMENT.

109,248. J. REID  
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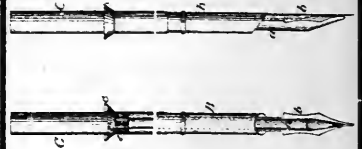
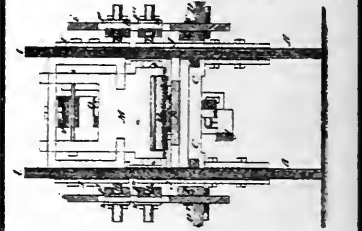
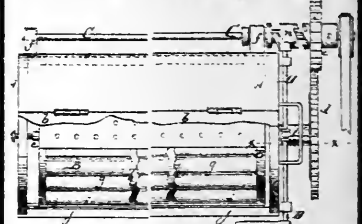
109,250. L. W. RICHARDSON. PLOW.

109,251. J. W. ROBERTS  
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T. C. TIPTON FLOOD GATE.

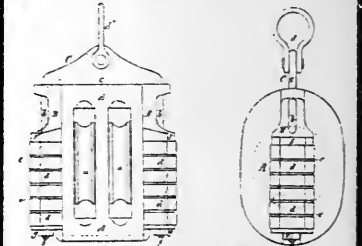
109,253. W. W. RUSSELL. PAPER FILE.

109,254. A. RUTTKAY  
ROOFING COMPOSITION.109,256. G. A. SCHACHTEL  
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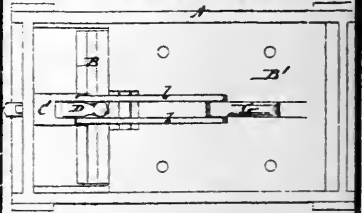
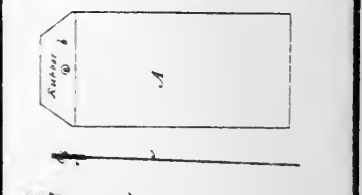
109,257. F. SCHIFFERLE. FOUNTAIN PEN.

109,258. C. SHELLEDINE  
SHINGLE MACHINE.109,259. H. E. SMITH AND  
G. F. SPEER WASHING MACHINE.

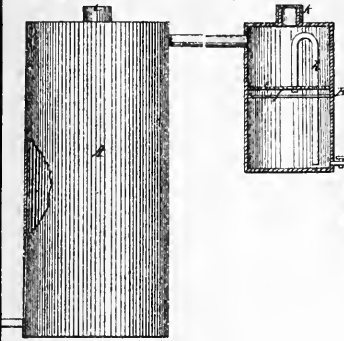
109,260. R. J. SMITH. TACKLE BLOCK.

109,261. S. J. SMITH  
HAY RACK FOR WAGONS.

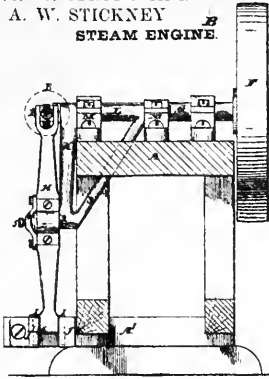
109,262. T. SNOW. WASHING MACHINE.

109,263. T. J. SOUTHWORTH AND  
W. H. LAWTON TAG.

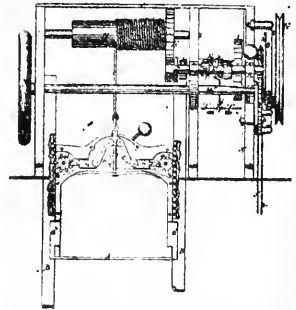
109,264. T. G. SPRINGER.  
FEEDING HYDROCARBON LIQUIDS  
TO A HOT GAS RETORT.



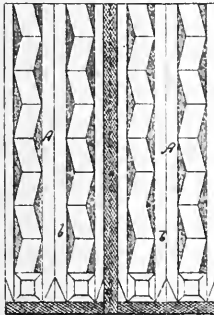
109,270. C. STRONG AND  
A. W. STICKNEY  
STEAM ENGINE.



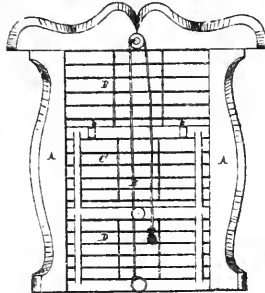
109,275. G. C. TIMPE ELEVATOR.



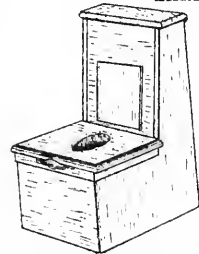
109,265. J. STEGMILLER.  
MOSAIC FLOOR.



109,271 W. STRUNK WINDOW SHADE.



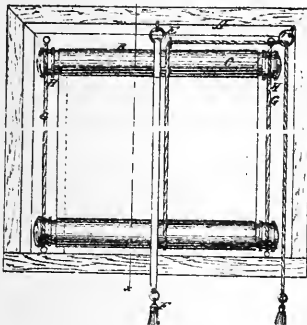
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EARTH CLOSET.



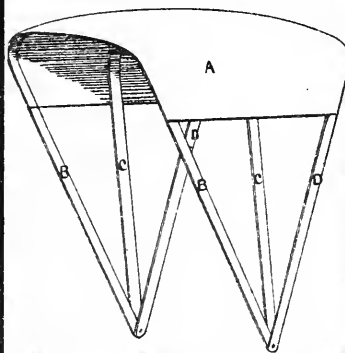
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BREECH LOADING FIRE ARM.



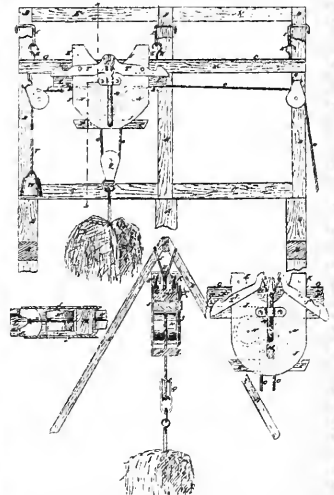
109,266. J. STEPHENS.  
CURTAIN FIXTURE.



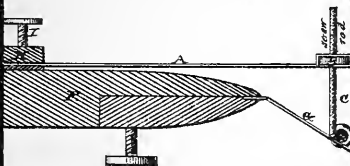
109,272. G. L. SWETT AND  
J. P. LOCKEY MOLDED CARRIAGE TOP.



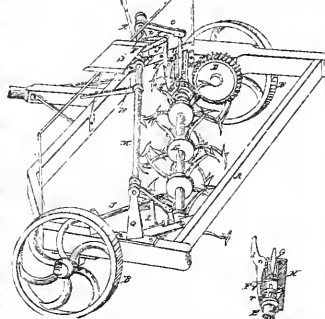
109,278. J. H. VIOLETT.  
HOISTING APPARATUS.



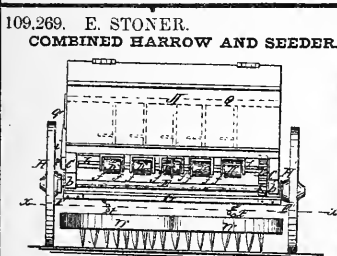
109,267. J. STEWART.  
RULING MACHINE.



109,273. J. THOMPSON  
ROTARY PULVERIZER.

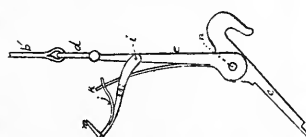


109,268. W. H. ST. JOHN AND  
P. CARTWRIGHT  
PURIFYING ILLUMINATING GAS.

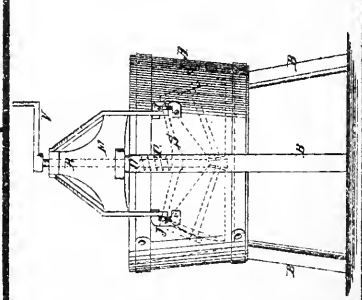


109,269. E. STONER.  
COMBINED HARROW AND SEEDER.

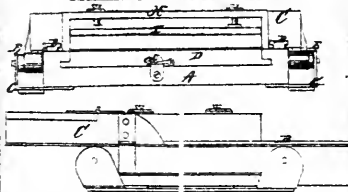
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HOOK FOR DUMPING TUBS.



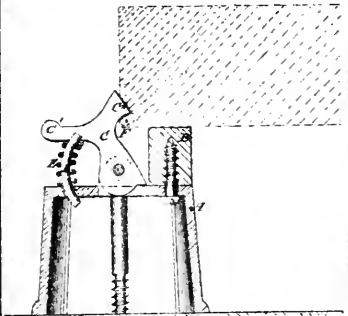
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WASHING MACHINE.



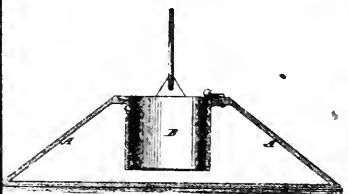
109,280. W. WEIS MACHINE FOR MAKING CIGAR BUNCHES



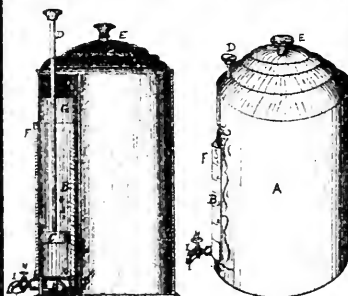
109,281. L. C. WEMPLE. DOOR STOP



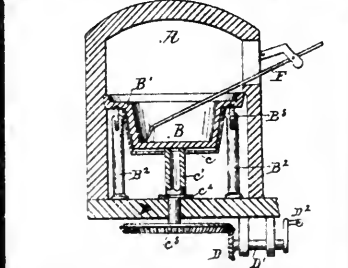
109,282. T. WILLIAMS. ROACH AND BUG TRAP



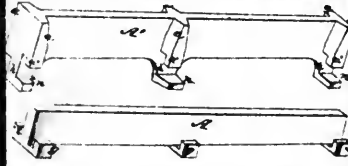
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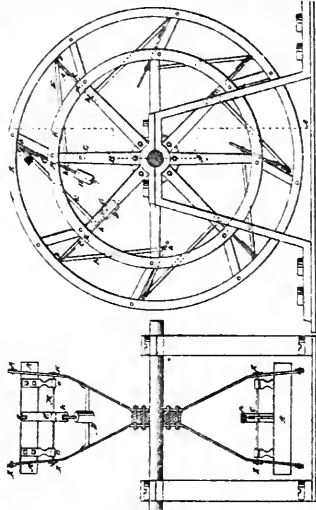
109,284. E. WOOD. ROTARY PUDDLING FURNACE



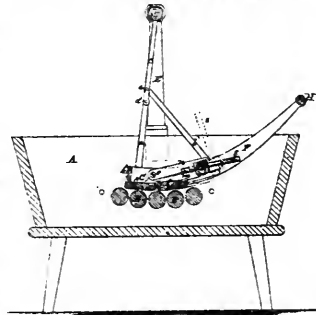
109,285. J. YOUCOM, JR. GRATE BAR



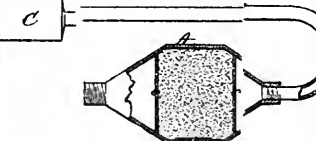
109,286. S. BATEMAN. PADDLE WHEEL



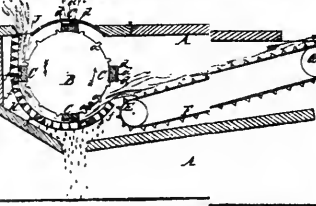
109,287. W. B. H. BEACH. WASHING MACHINE



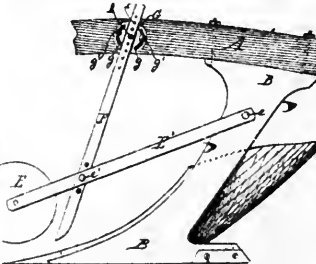
109,288. J. BEAN. FILTER



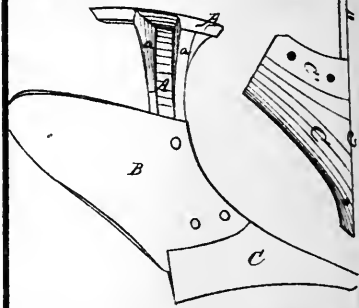
109,289. J. BOWMAN. COMBINED THRASHING MACHINE AND CORN SHELLE



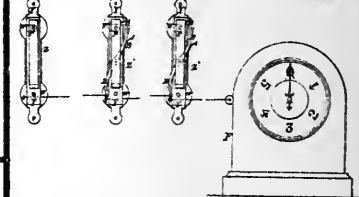
109,290. T. E. C. BRINLY. PLOW



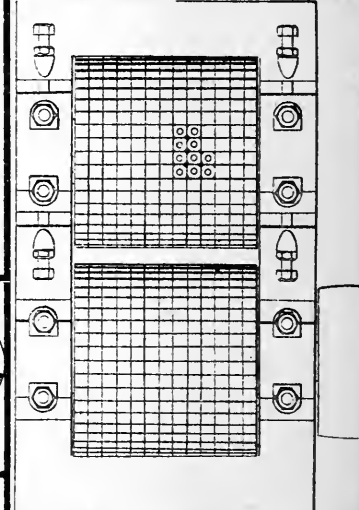
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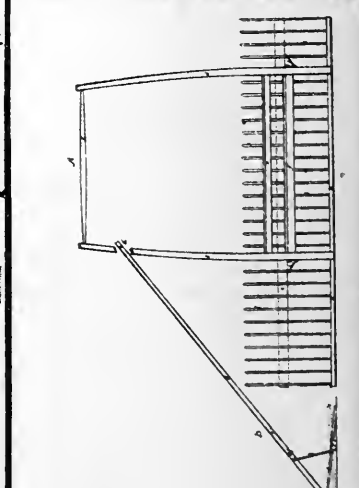
109,292. H. L. BROWER. CONNECTING FIRE DETECTOR WITH THE ALARM

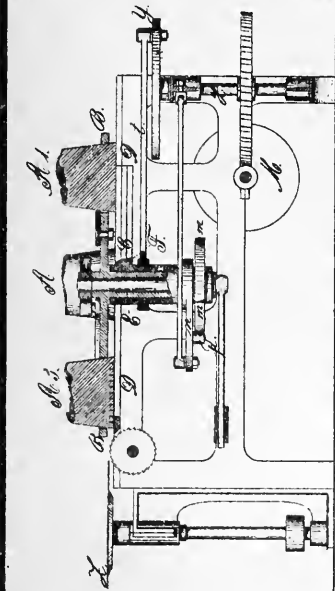


109,293. A. AND F. BROWN. MACHINE FOR CUTTING LOAF SUGAR

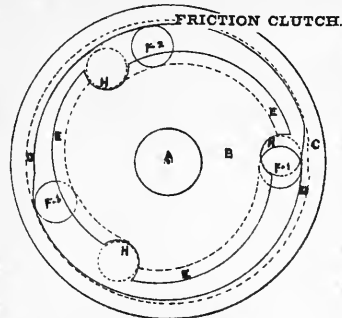
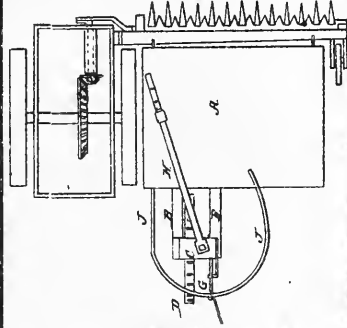
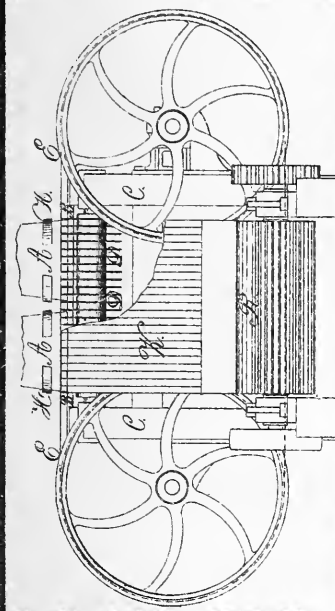
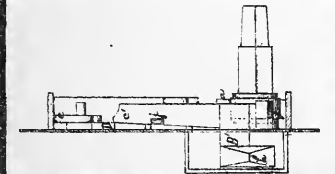
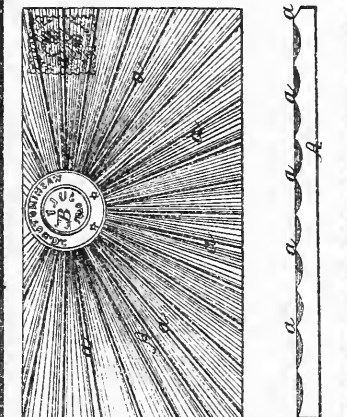
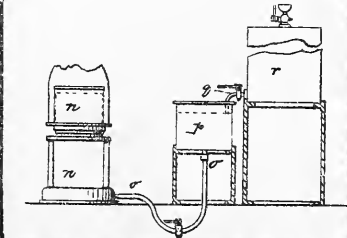


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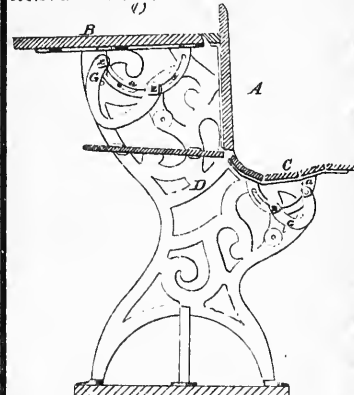
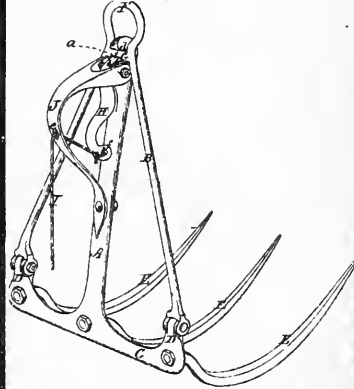


109,295. F. BROWN  
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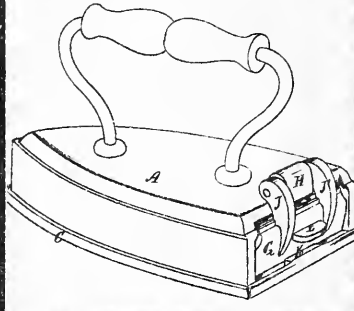
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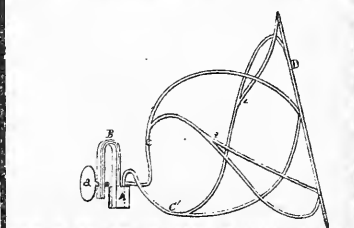
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109,305. A. T. DUNBAR AND  
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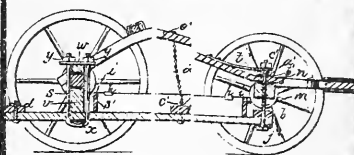
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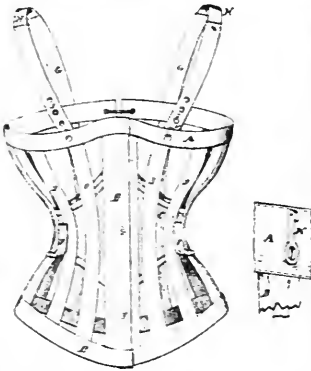
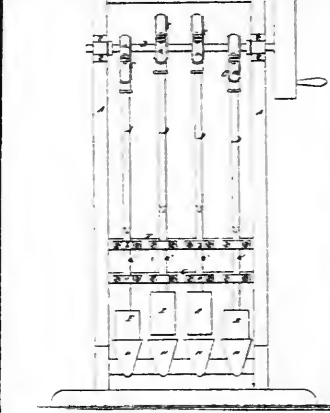
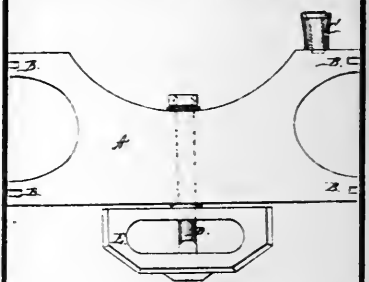
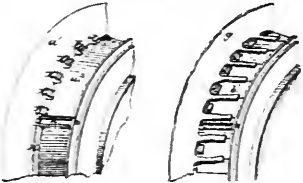
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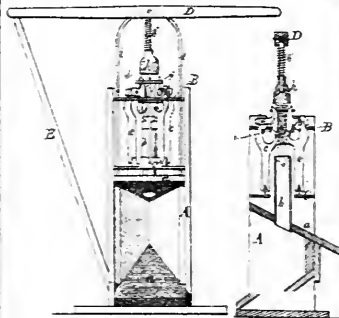
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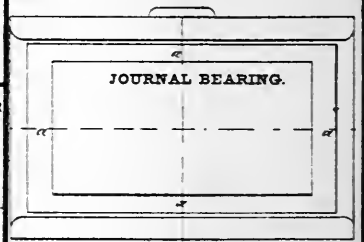


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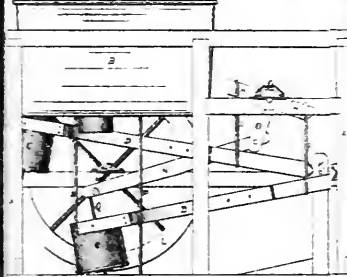
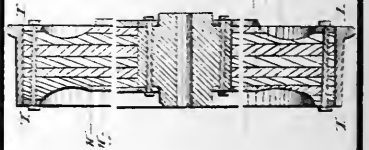


109,319. D. A. HOPKINS

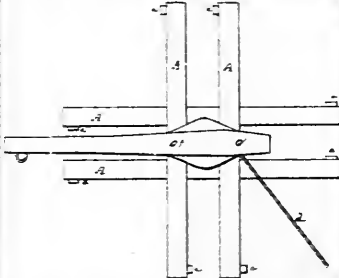


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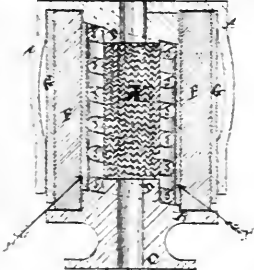
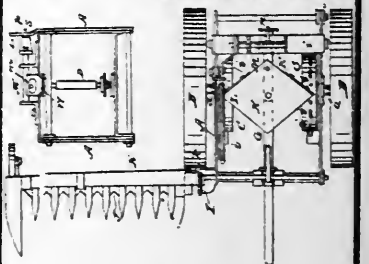
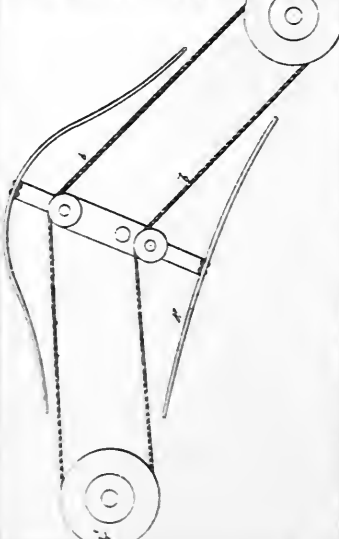
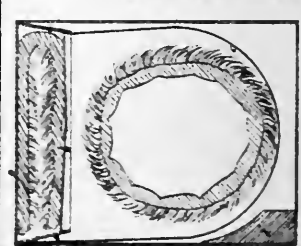
109,311. R. FRANCIS WATER ENGINE.

109,320. L. B. HUNT  
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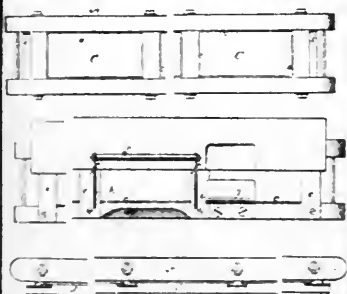
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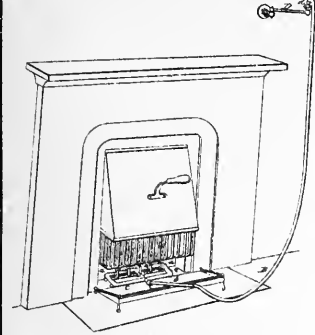
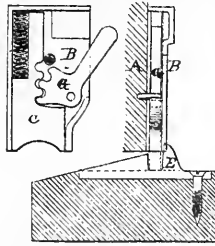


109,321. J. C. HYDE. BUCKLE.

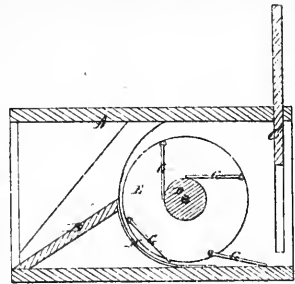
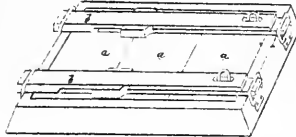
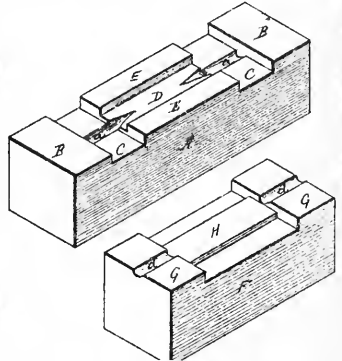
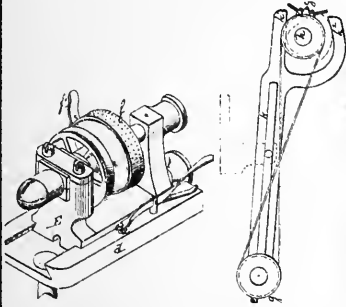
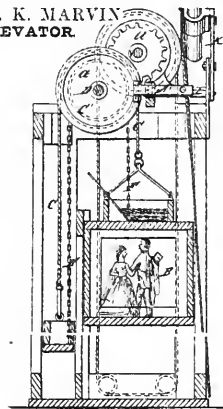
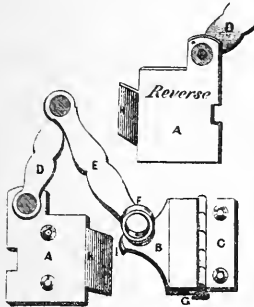
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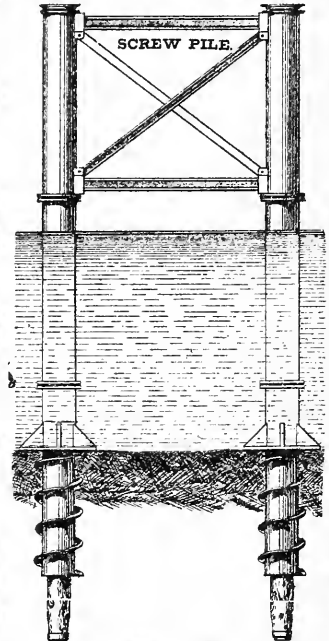
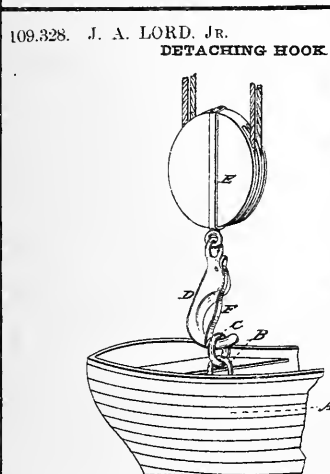
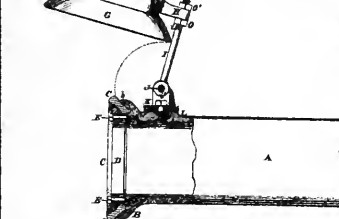
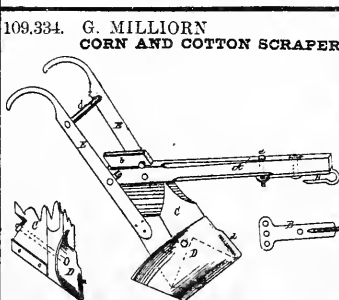
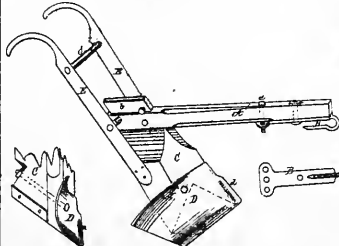
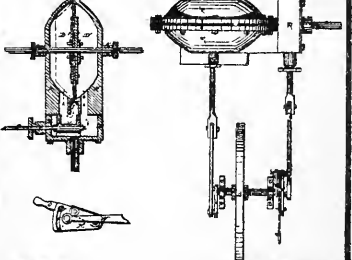


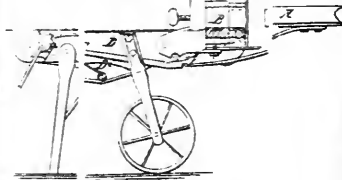
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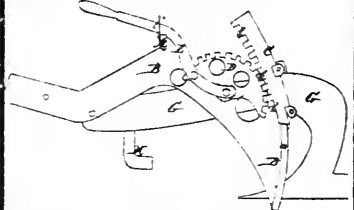
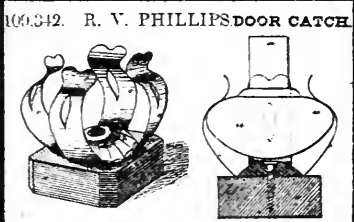
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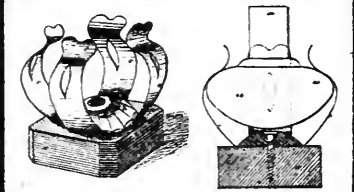
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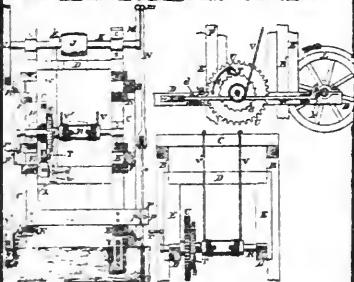
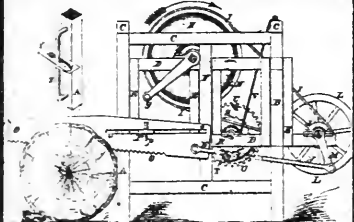
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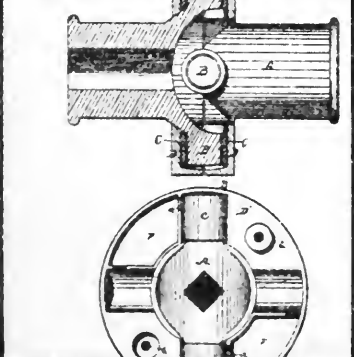
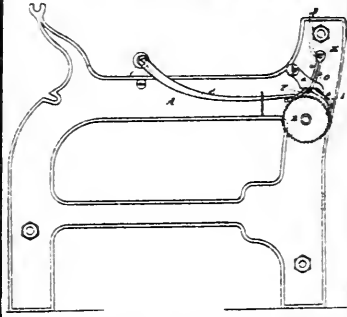
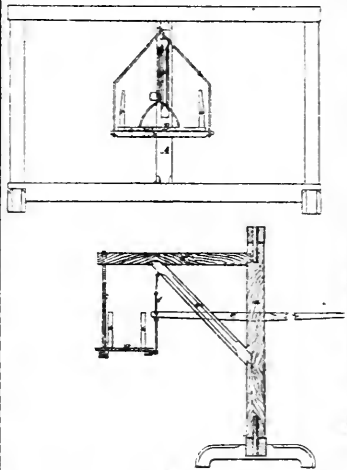
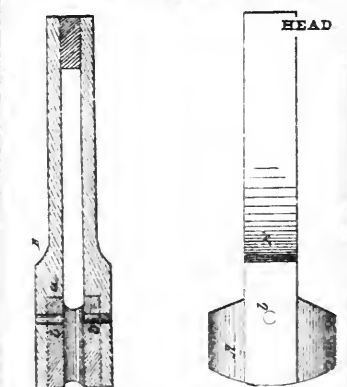
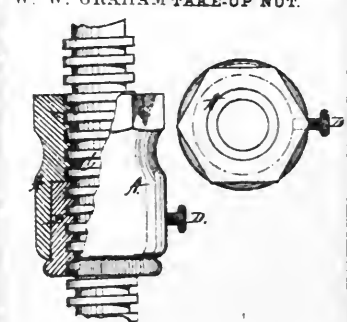
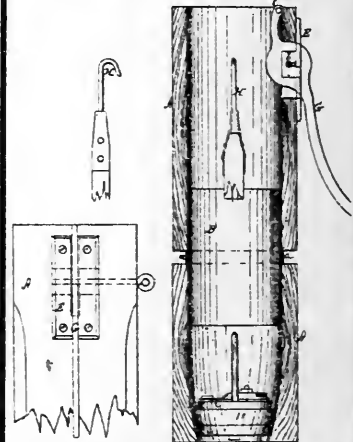
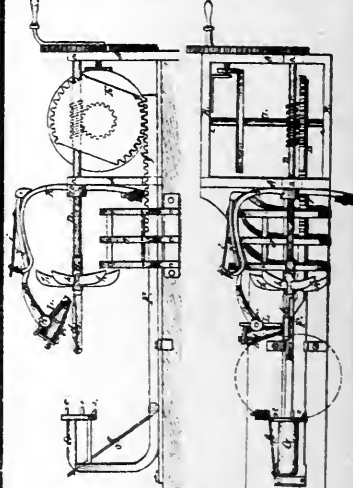
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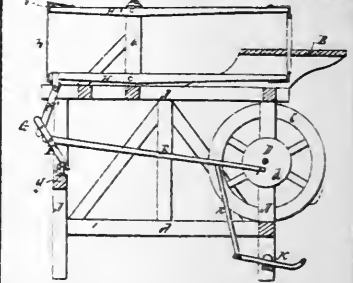
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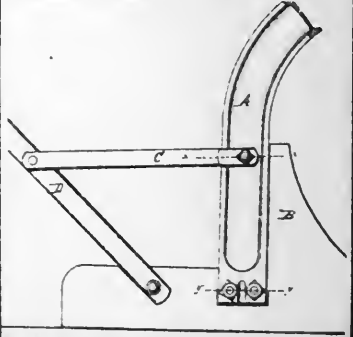
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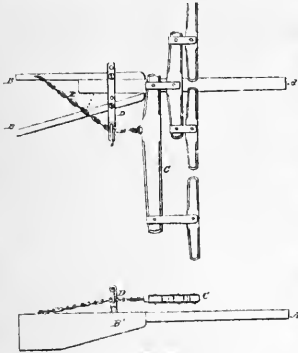
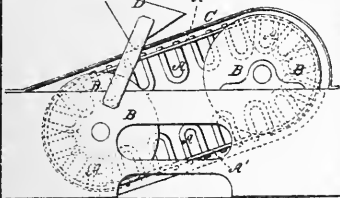
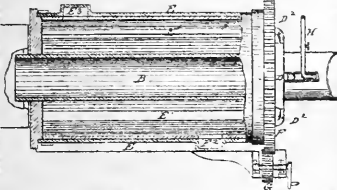
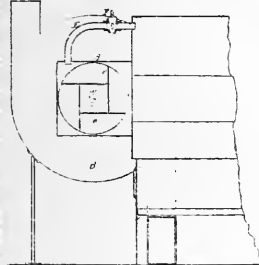
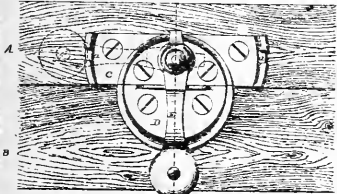
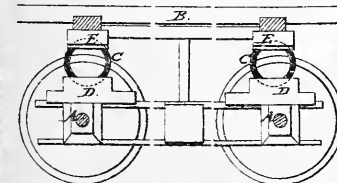
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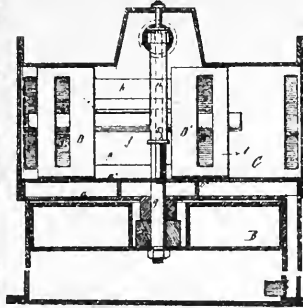


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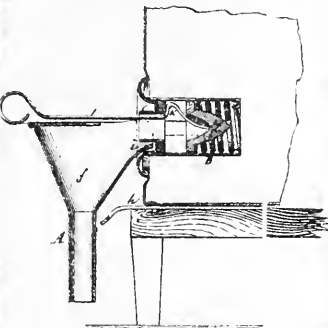
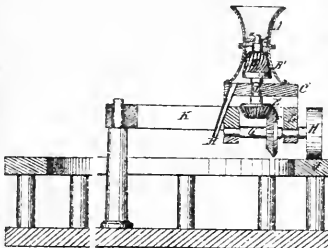
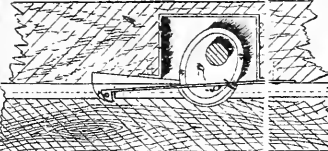


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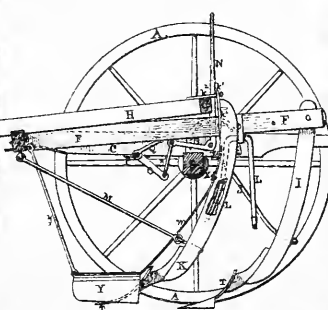
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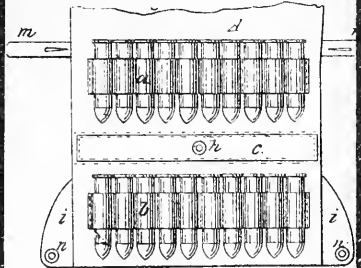
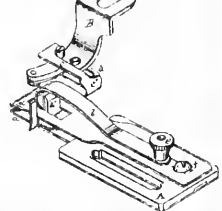
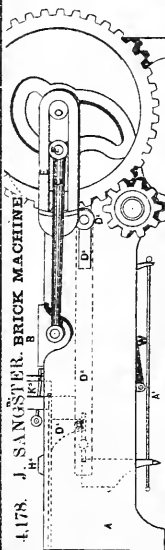
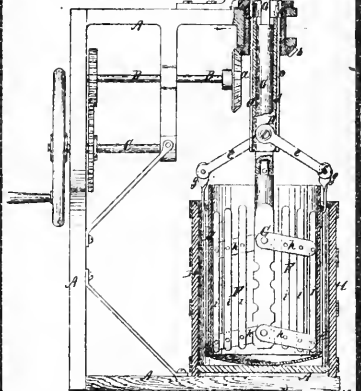
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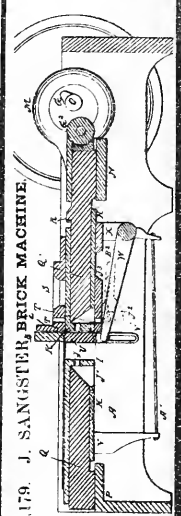
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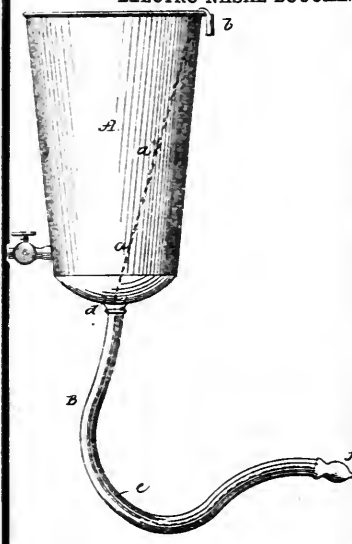
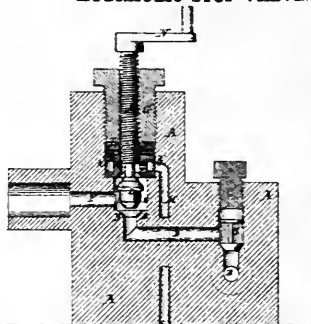
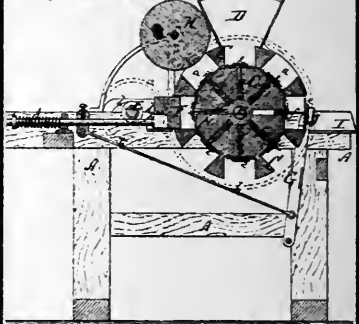
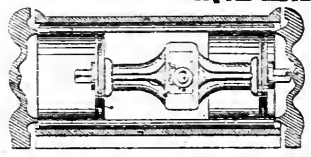
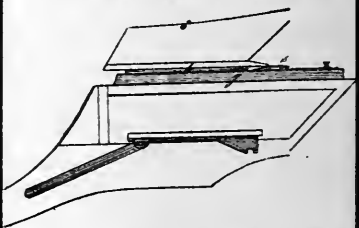
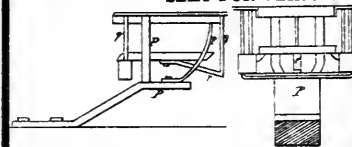


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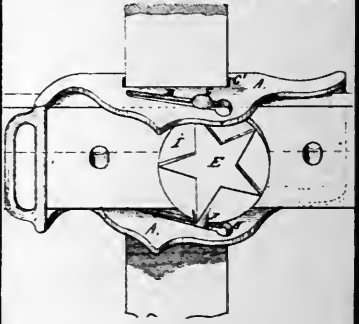
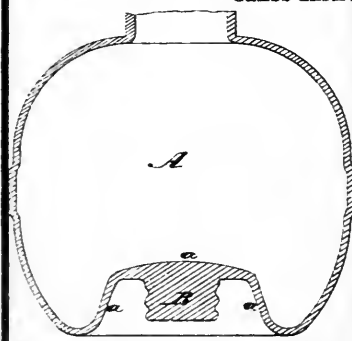
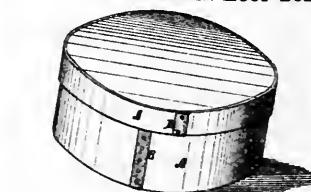
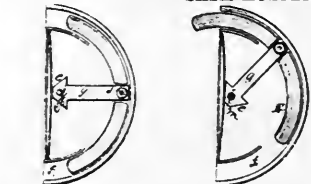
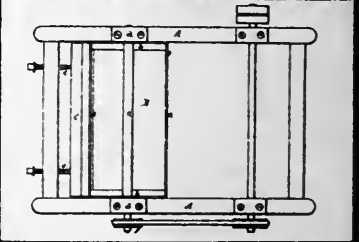
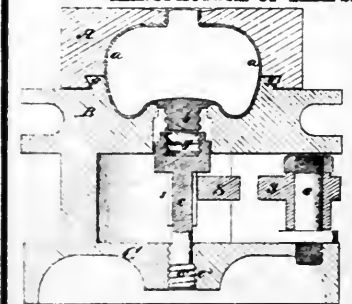
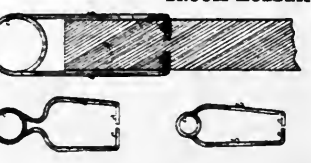
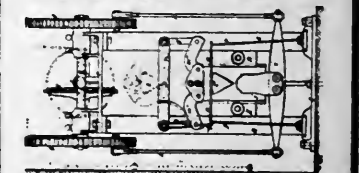
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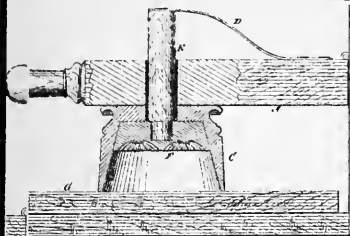
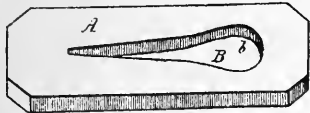
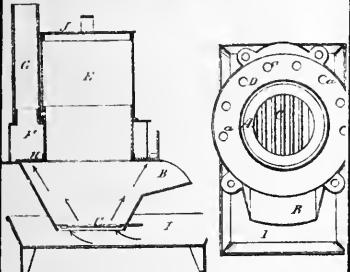
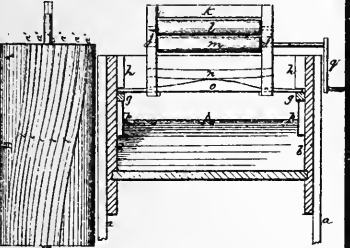
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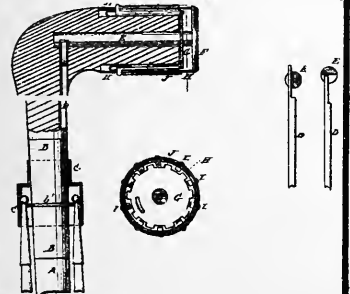
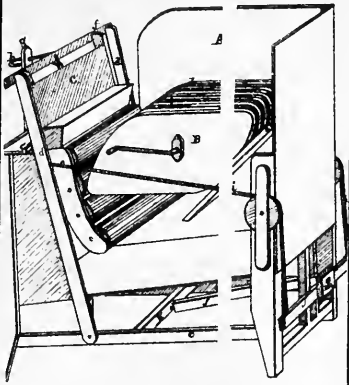
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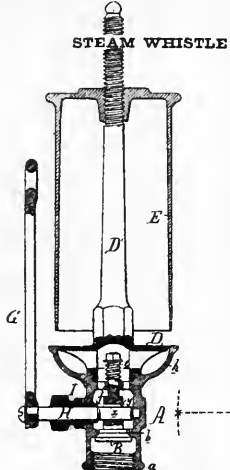
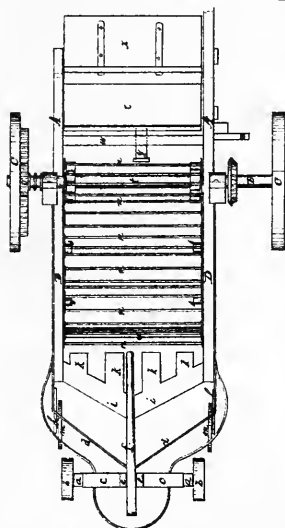
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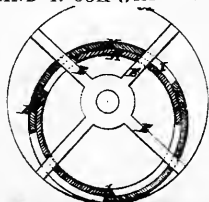
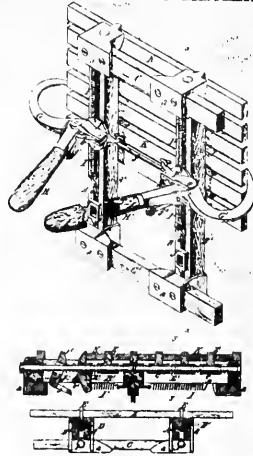
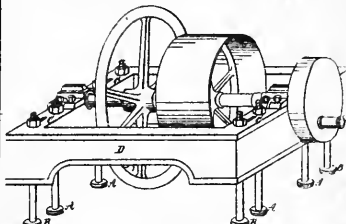
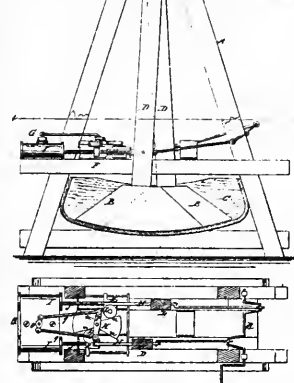
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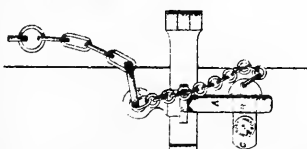
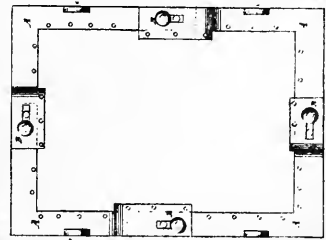
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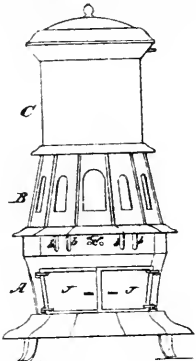
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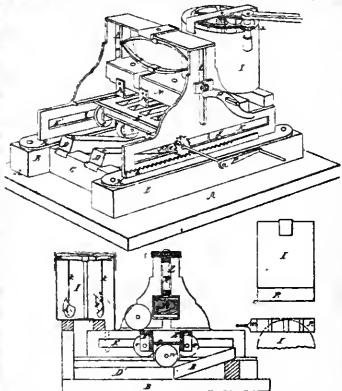
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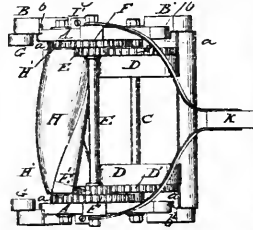
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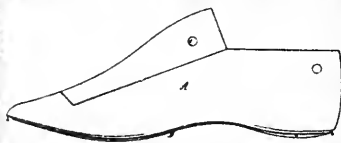
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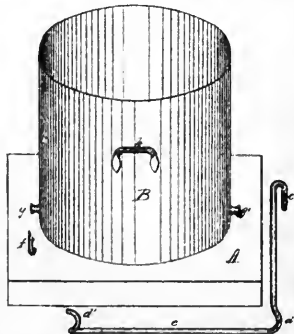
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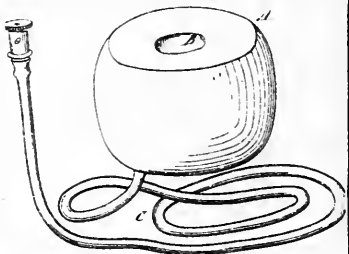
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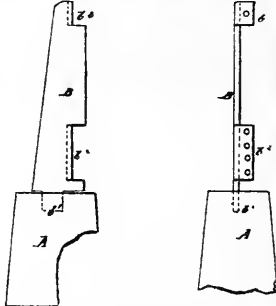
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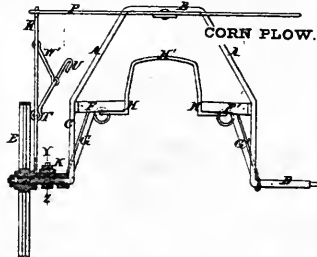
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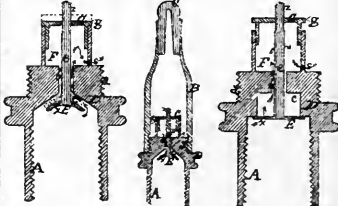
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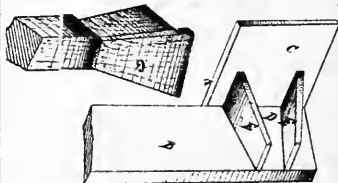
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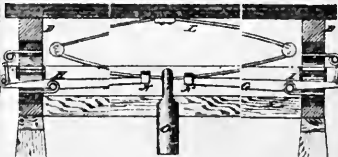
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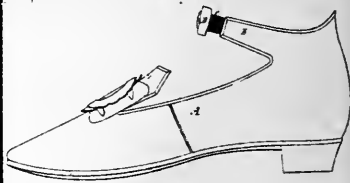
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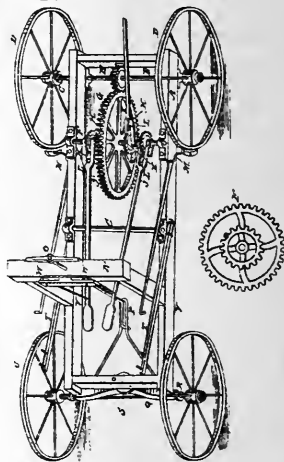
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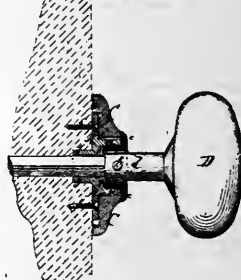
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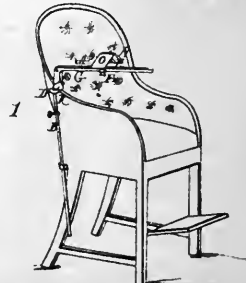
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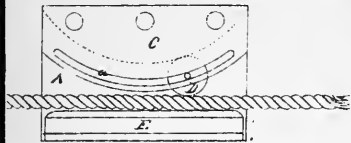
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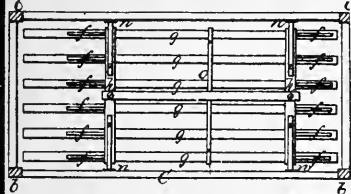
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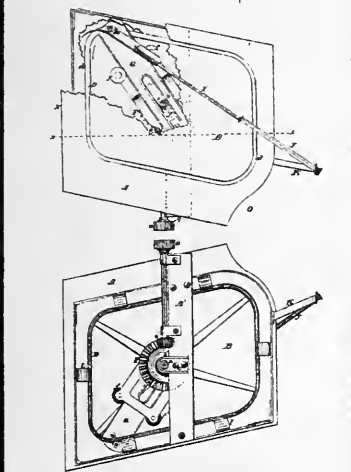
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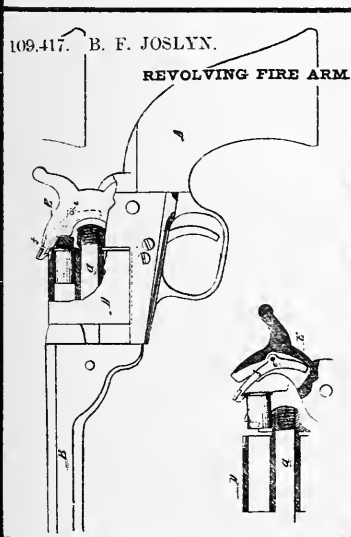
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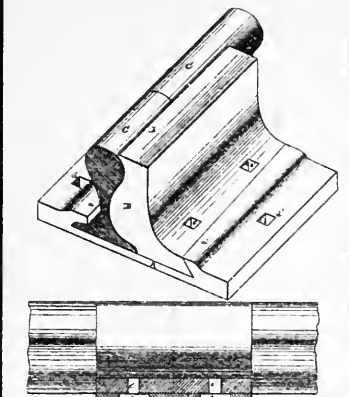
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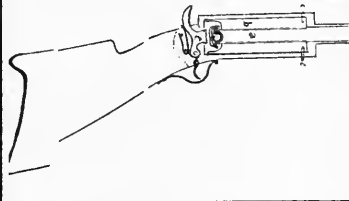
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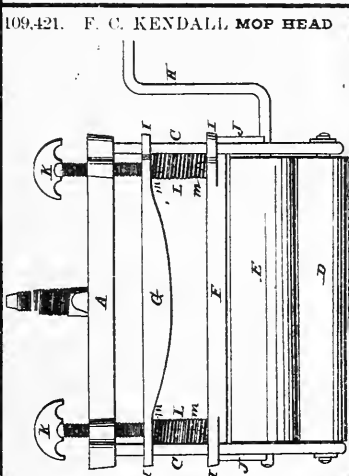
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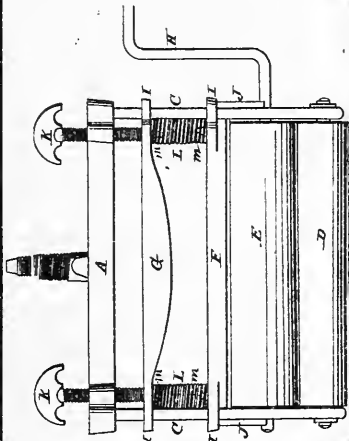
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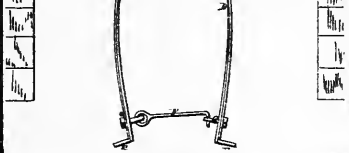
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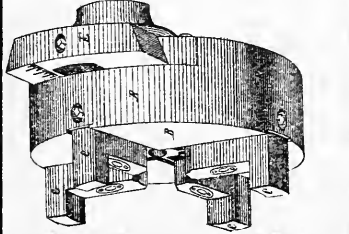
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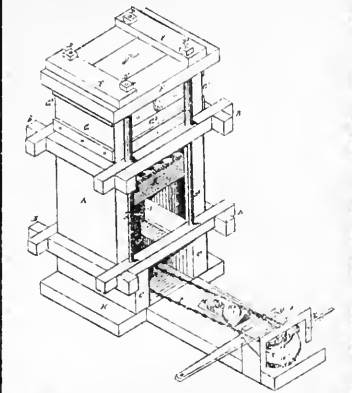
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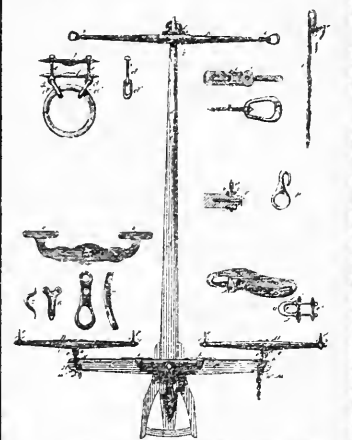
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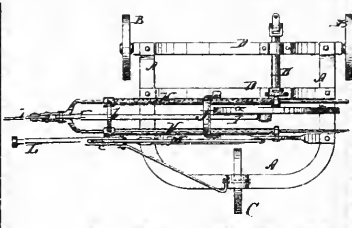
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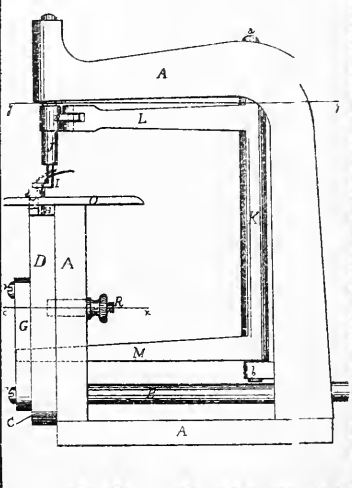
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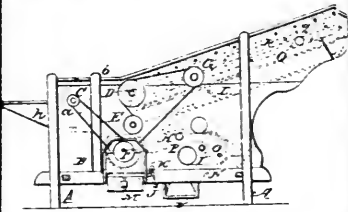


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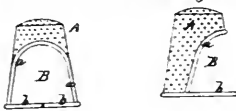


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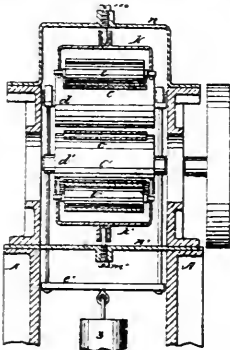
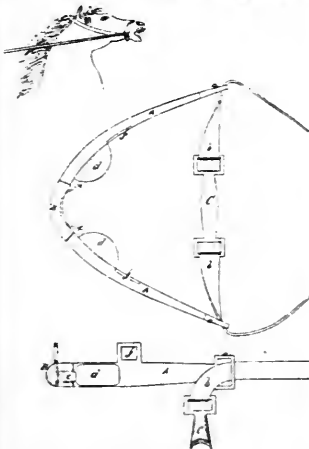
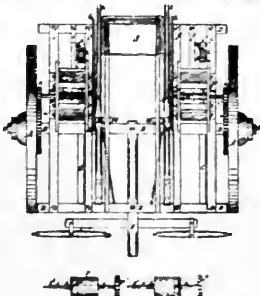
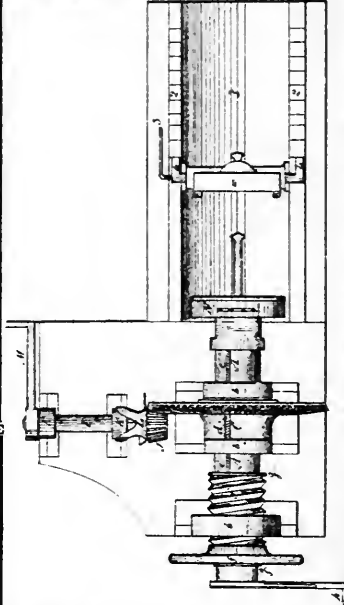


109,428. J. S. LANDIS COMBINED  
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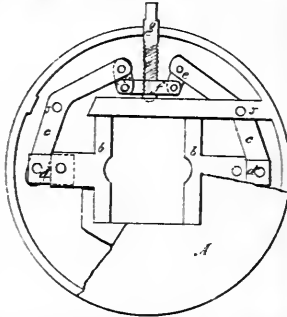
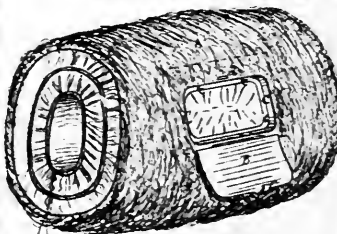
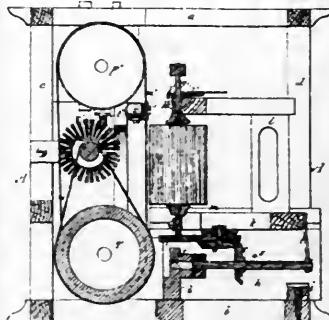
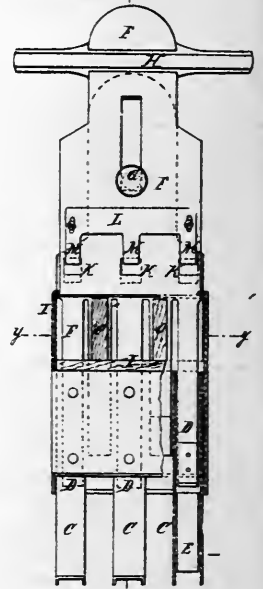
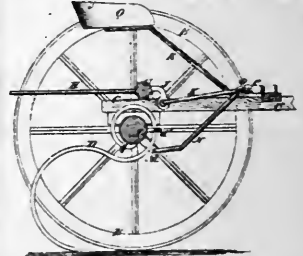
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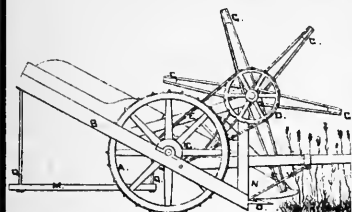
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109,440 W. T. NICHOLS. ROAD SCRAPER.



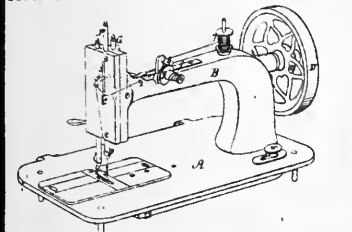
109,441 G. OERLEIN HARVESTER RAKE



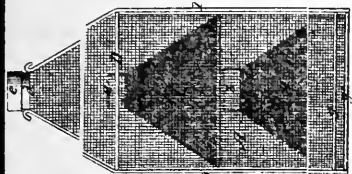
109,442 D. B. OLIVER GRAFTING AWL



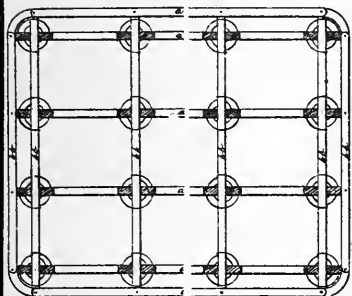
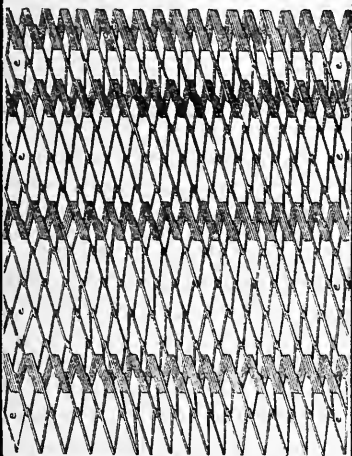
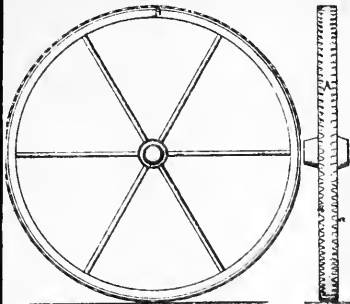
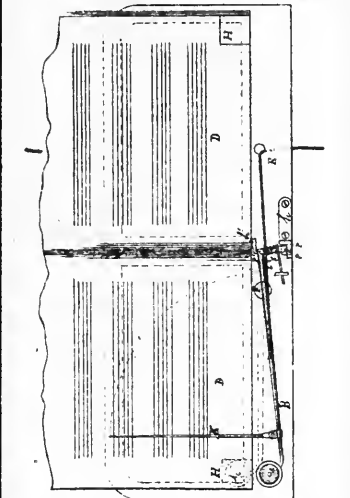
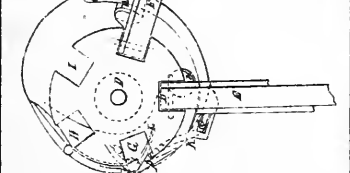
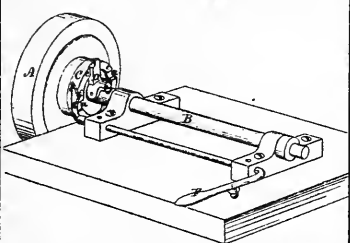
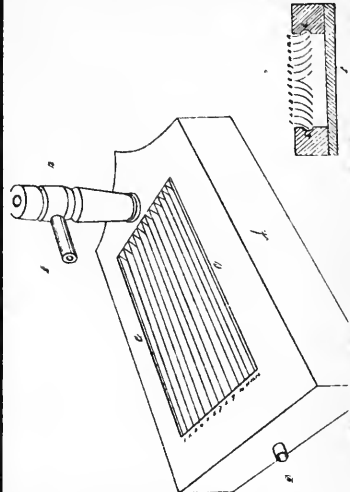
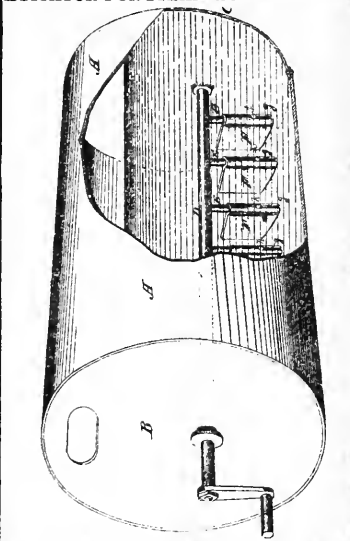
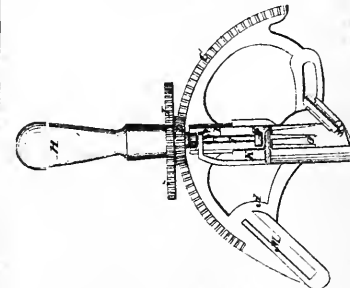
109,443 C. PARHAM SEWING MACHINE



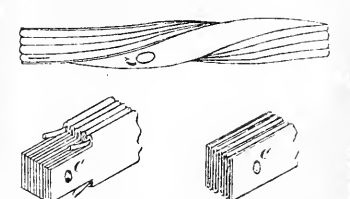
109,444 J. PARKER FLY TRAP



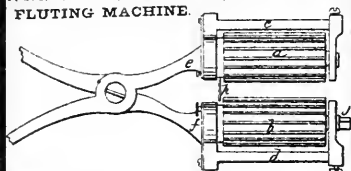
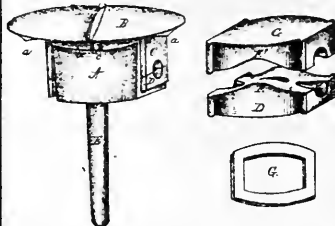
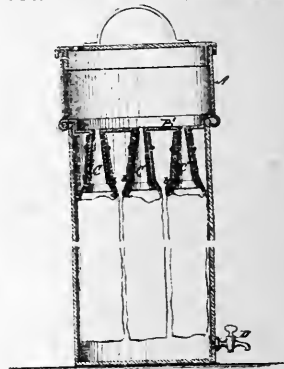
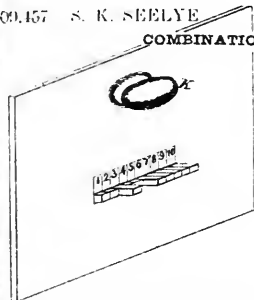
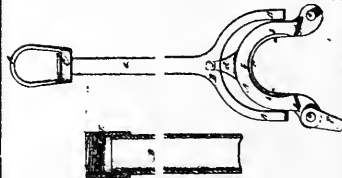
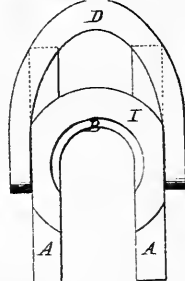
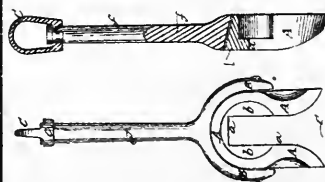
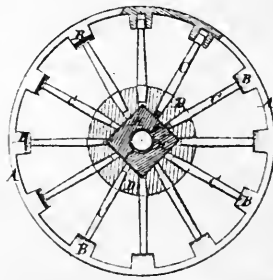
109,445 J. F. PECK SPRING BED BOTTOM

109,446 G. C. PERKINS  
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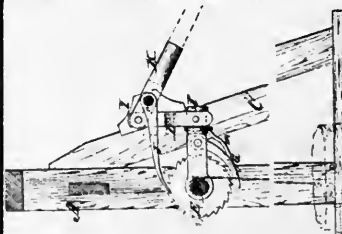
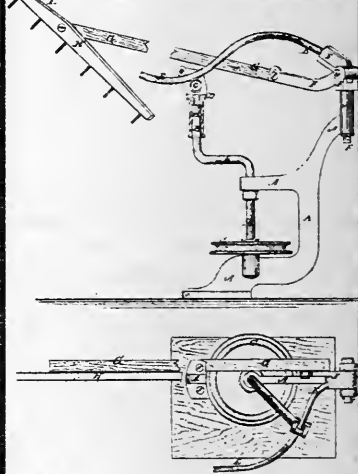
109,455. G. ROW. LIGHTNING ROD



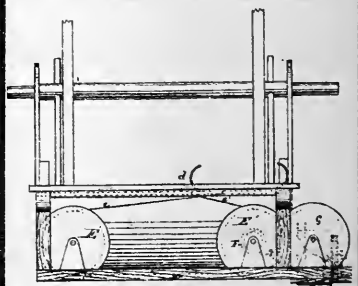
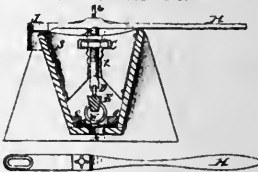
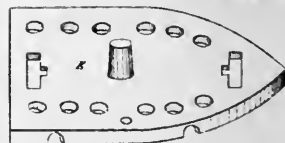
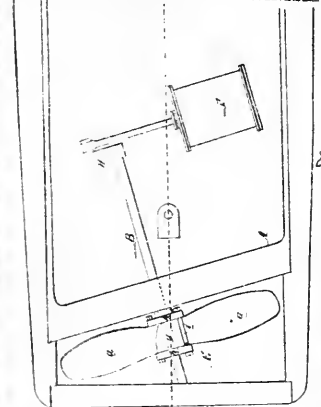
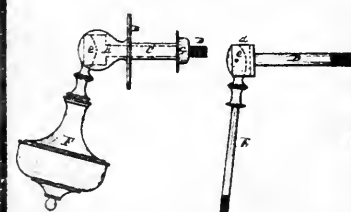
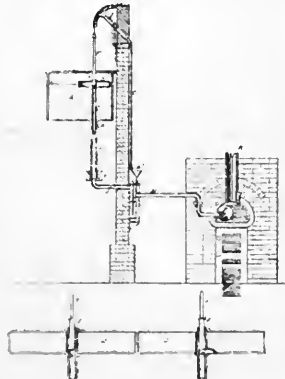


109,456. H. SAUERBIER  
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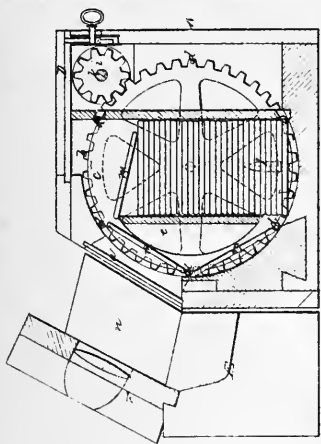
109,466 W. SMITH STUMP EXTRACTOR

109,468. H. A. STRINGER AND  
A. F. WARD HARVESTER RAKE.

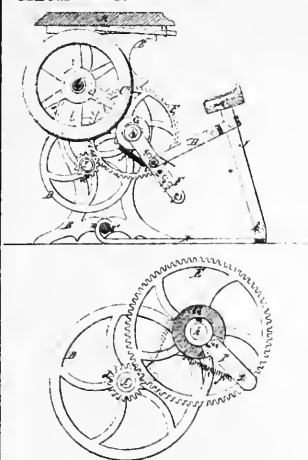
109,469 W. SUTLIFF HARVESTER RAKE

109,470. J. G. THOMPSON AND  
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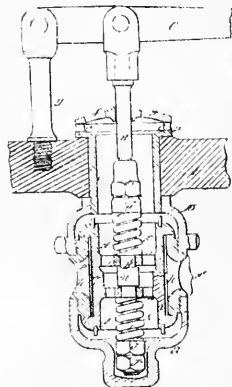
109,472. A. G. WALTON DEVICE FOR EXHIBITING PHOTOGRAPHIC PICTURES



109,478. A. WHITEMORE MOTIVE MECHANISM OF SEWING MACHINES



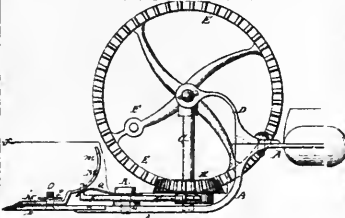
109,483. A. C. ANCONA SAFETY VALVE



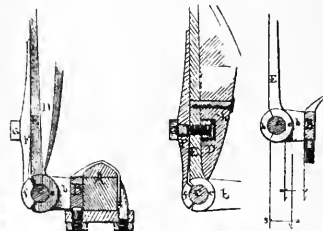
109,473. W. F. WARBURTON VENTILATOR FOR HATS.



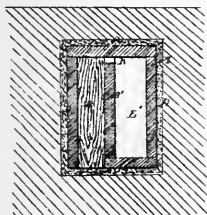
109,479. J. C. WILSON HAIR CLIPPING DEVICE



109,484. W. W. ANDERSON THILL COUPLING



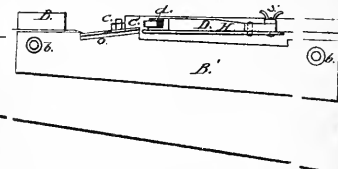
109,474. S. H. WARNER UNDERGROUND DRAIN.



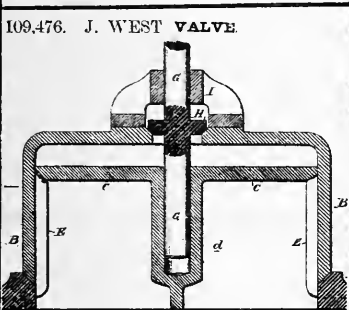
109,485. R. A. BEATTIE VARNISH

109,486. F. BECK COATING AND ORNAMMENTING THE SURFACE OF PAPER CLOTH, &amp;c.

109,487. F. A. BIXLER DEVICE FOR CUTTING SLATS FOR WINDOW SHADES.

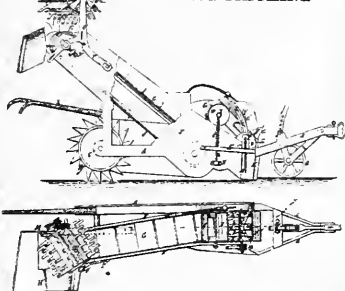


109,475. L. WATROUS ELECTROPLATING WITH NICKEL THE METALLIC PARTS OF COTTON GINS

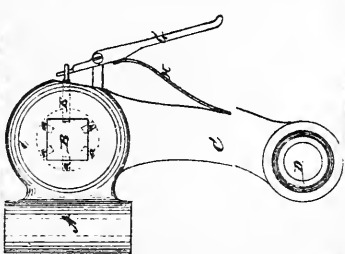


109,476. J. WEST VALVE

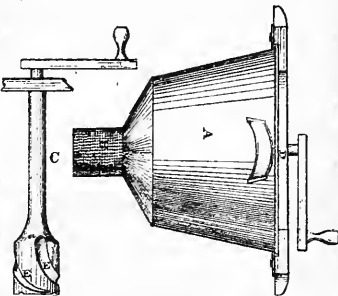
109,480. S. S. WOOD DITCHING MACHINE



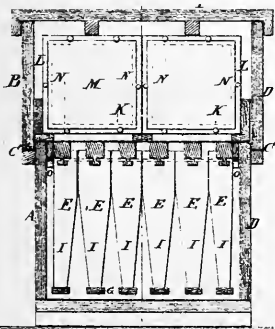
109,481. J. D. WRIGHT MEANS FOR ADJUSTING THE GRAIN WHEEL OF HARVESTERS



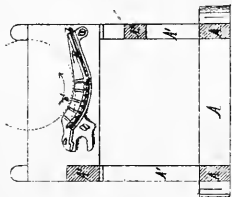
109,488. H. BLAKE CREAM STRAINER



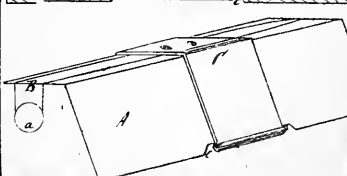
109,477. G. T. WHEELER BEE HIVE.

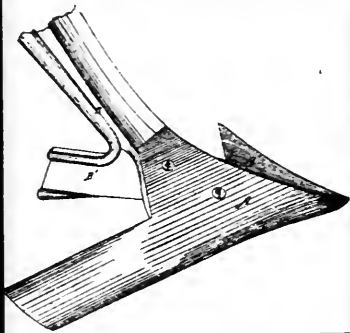


109,482. J. ALLONAS THERASHING MACHINE.

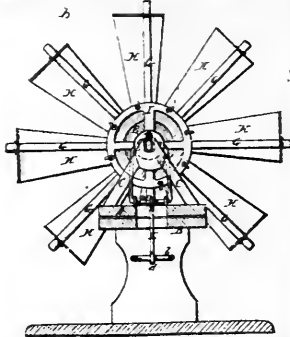
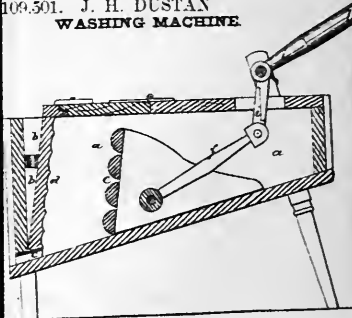
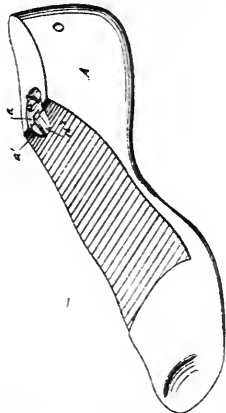


109,489. S. BORDEN PREPARATION OF GARANCINE

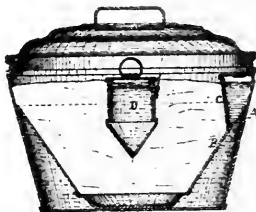


109,491. T. E. C. BRINLY.  
COTTON SWEEP.

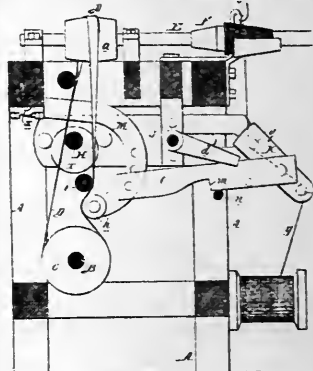
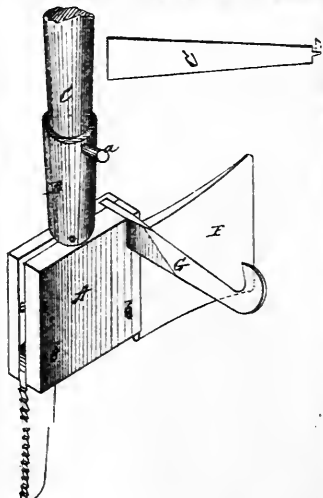
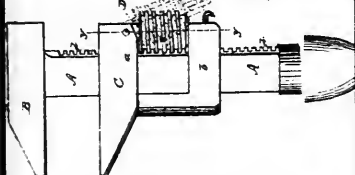
109,496. J. P. CLEMENT. WINDMILL.

109,501. J. H. DUSTAN.  
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FASTENING FOR BLOCKS OF LASTS.

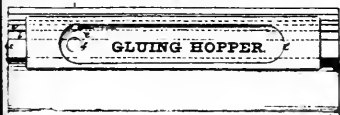
109,497. W. A. DAGGETT. BREAD PAN.



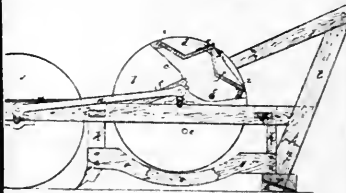
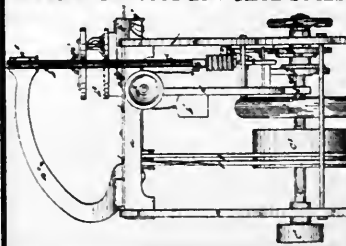
109,502 S. ECCLES. WINDING MACHINE.

109,498. C. W. DAWSON.  
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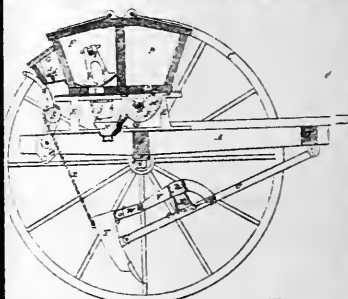
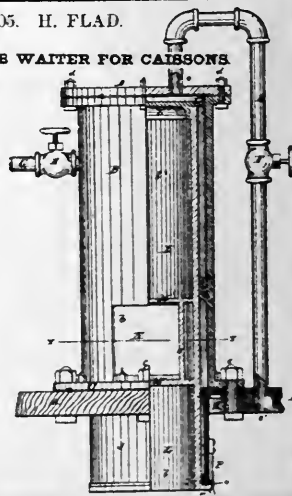
109,494. J. W. CAMPBELL.

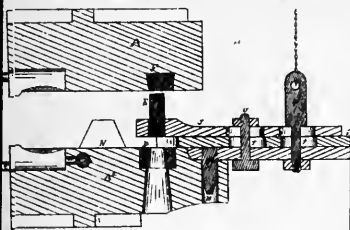
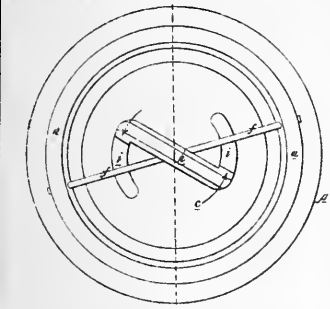
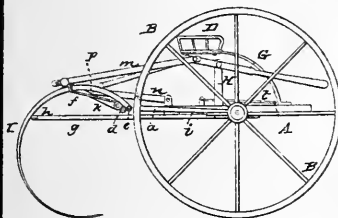
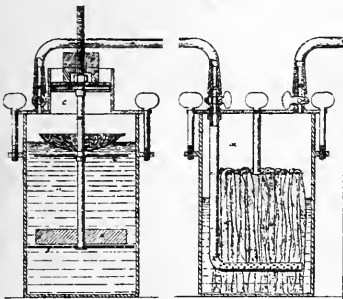


109,495. P. CEREDO. NUT CRACKER.

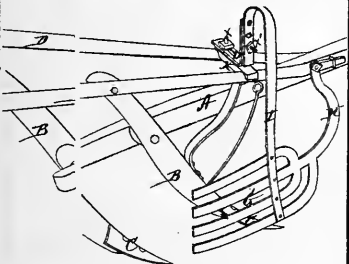
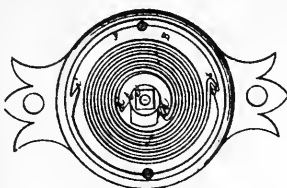
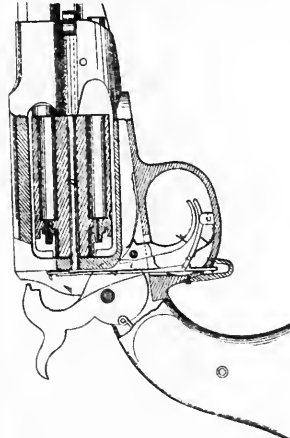
109,499. J. S. DICKASON.  
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109,503 S. M. FIREY. SEEDING MACHINE.

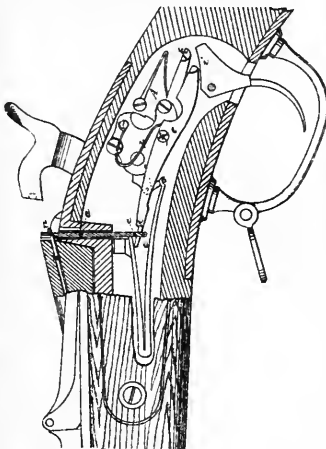
109,504. C. FISHER.  
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109,506. W. FORSHAW  
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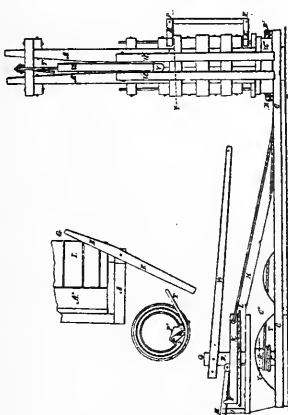
109,511. R. HARPSTER CLOD FENDER.

109,512. M. HARRINGTON  
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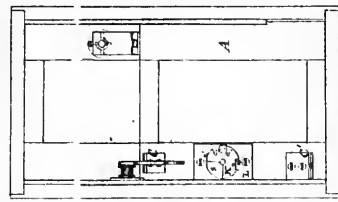
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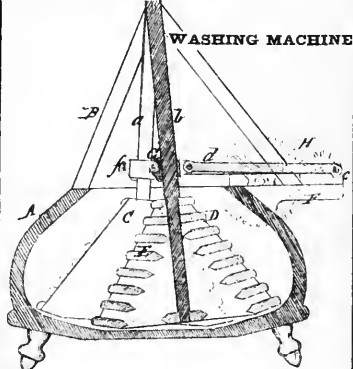
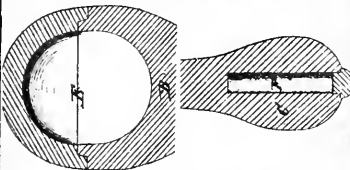
109,515. E. HILL. BALING PRESS.



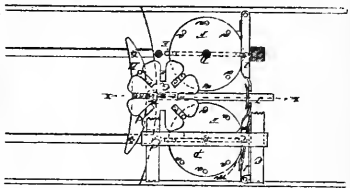
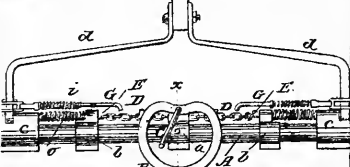
109,516. J. HUGHES SASH LOCK



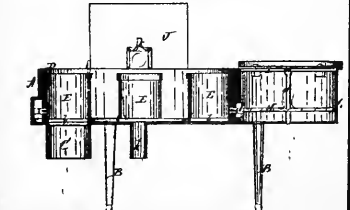
109,517. G. W. HUNGERFORD.

109,518. N. JOHNSON  
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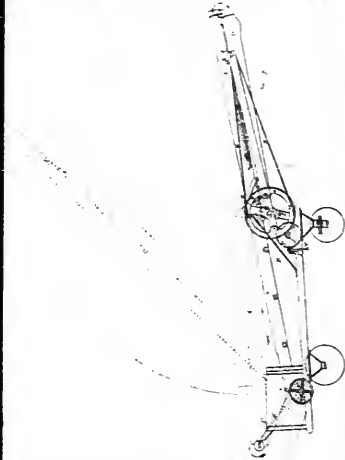
109,520. M. KIRSCH BRIDGE GATE

109,521. L. O. KUNZE  
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AND SHAFTS FROM VEHICLES.

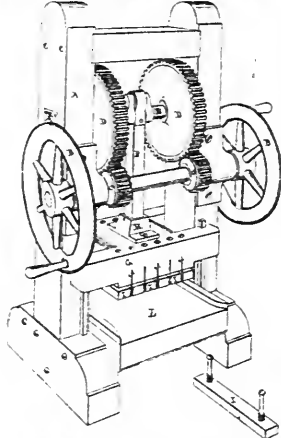
109,522. C. LAMB GRAIN REGISTER.



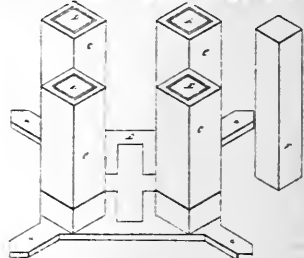
109,523. S. LEWIN ELEVATOR  
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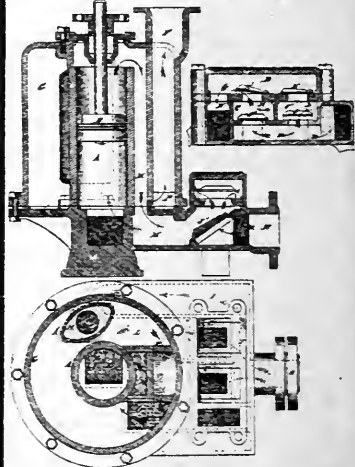
109,520. W. MANNING  
MACHINE FOR MAKING CORN CAKE



109,533 J. T. McDOUGALL APPARATUS  
FOR COLLECTING PRECIOUS METALS

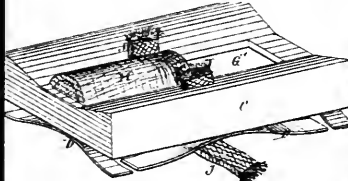


109,534. J. H. McGOWAN PUMP.

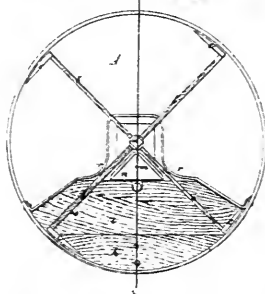


109,524. R. S. LEWIS.  
CONCRETE COMPOSITION FOR WALKS  
FLOORING, &c

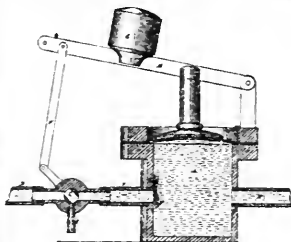
109,525. J. LICHENSTEIN  
CAR AXLE LUBRICATOR.



109,530. T. E. MARABLE  
ANIMAL TRAP.



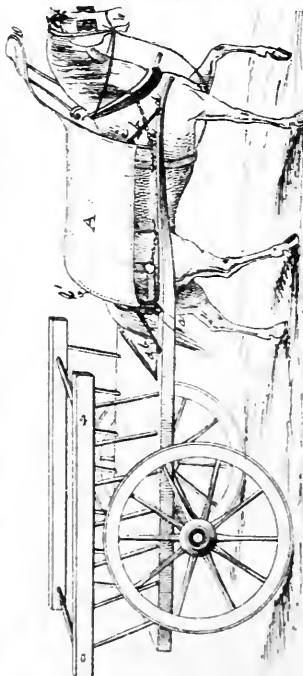
109,526. N. C. LOCK  
WATER PRESSURE REGULATOR.



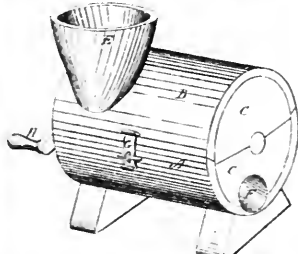
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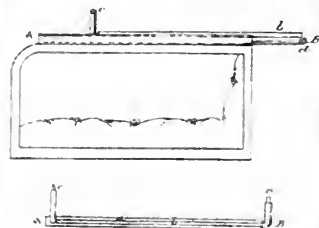
109,532. W. McCORMICK  
AWNING FOR HORSES



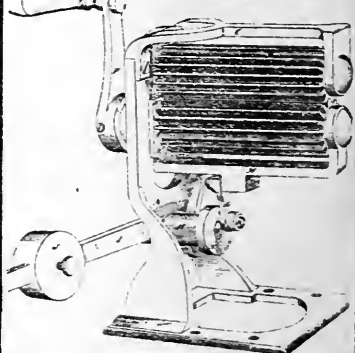
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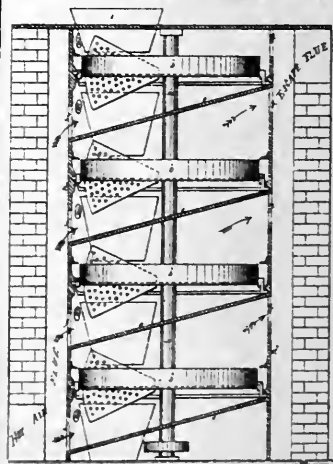
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SHIFTING CARRIAGE TOP



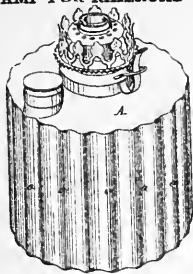
109,535. W. P. MCKEE.  
FLUTING MACHINE



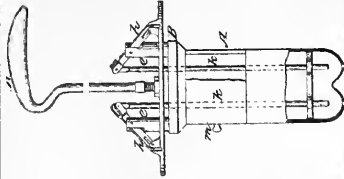
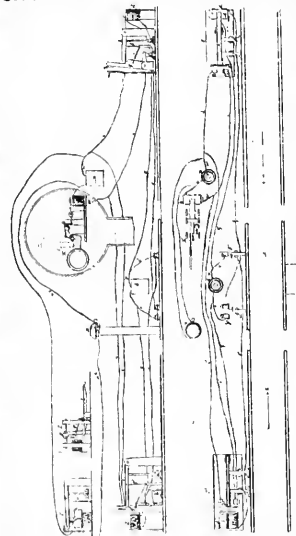
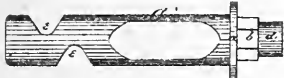
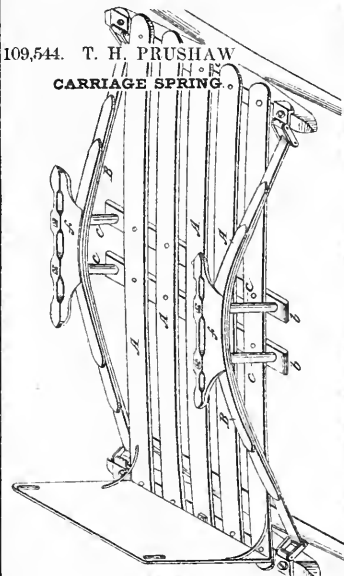
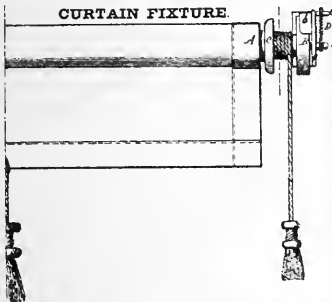
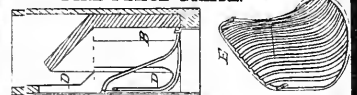
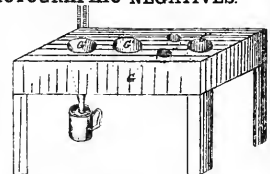
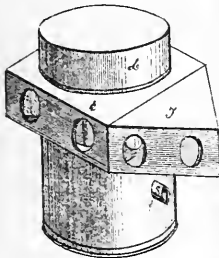
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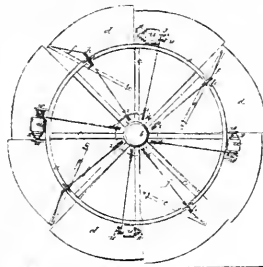
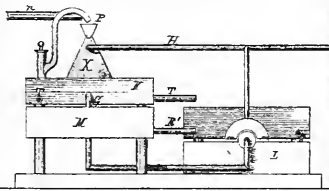


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LAMP FOR RAILROAD CARS

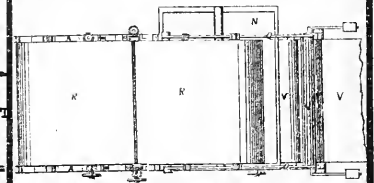
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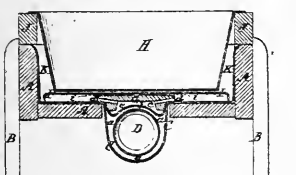
109,545. A. R. RANDAL WINDMILL.

109,546. D. REYNOLDS AND  
J. W. PAIGE MANUFACTURE OF SALT

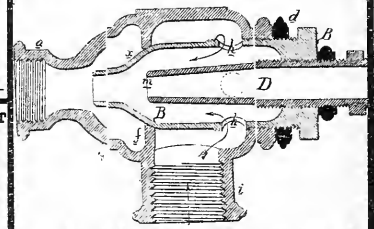
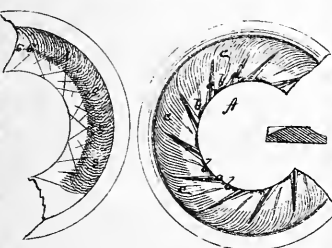
109,552. P. SCANLAN PAPER MACHINE



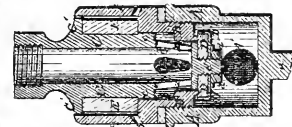
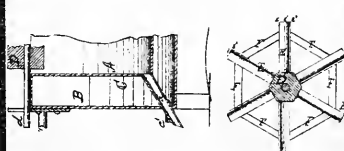
109,541. W. H. OBITTS CHEESE VAT.



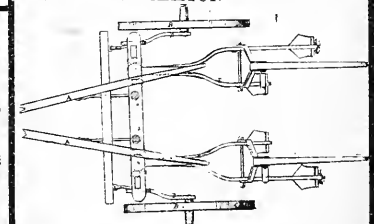
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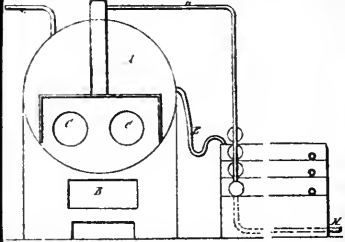
109,542. G. AND H. O'CONNOR  
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109,547. A. RICHMOND, JR. HYDRANT

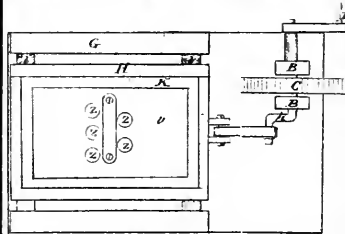
109,548. E. F. RING APPARATUS  
FOR STIRRING AND COOLING LARD.

109,554. J. B. SEXTON CULTIVATOR.

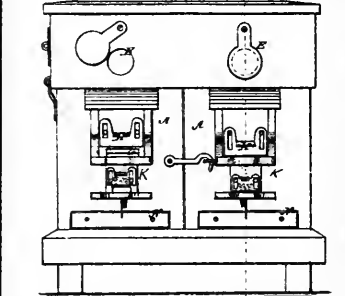
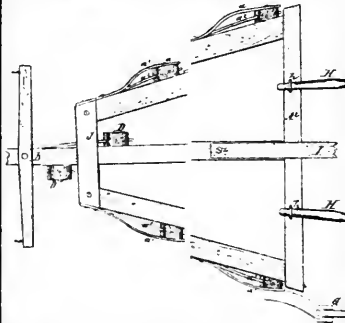
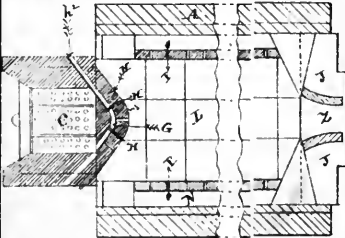
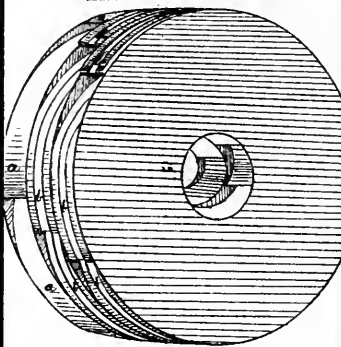
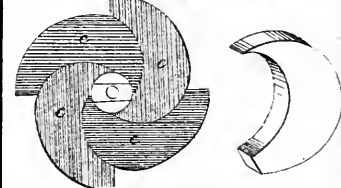
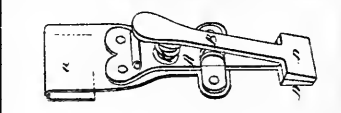
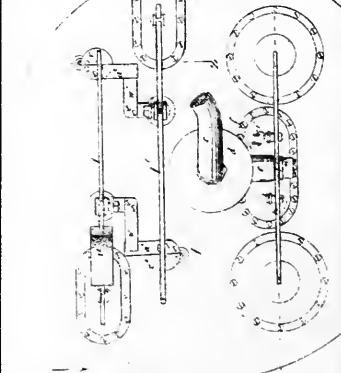
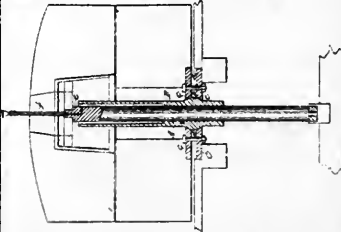


109,555. C. A. SHEPARD  
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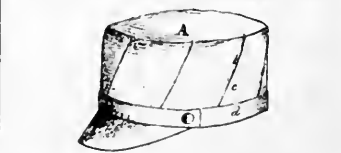
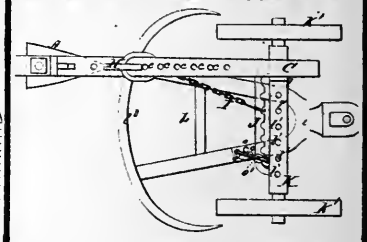
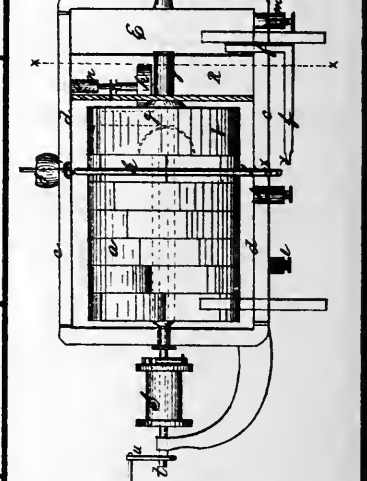
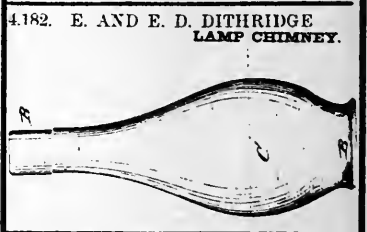
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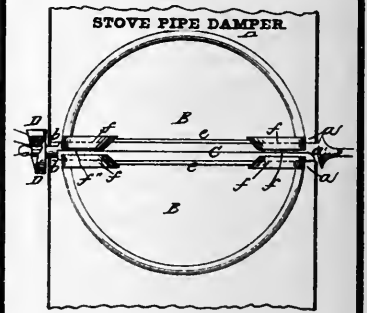
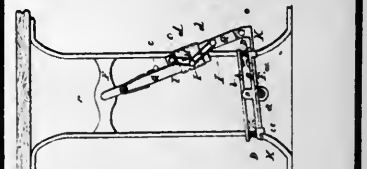
109,557. U. A. SPRINGERBEE HIVE.

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4,183. G. B. HALSTEAD.

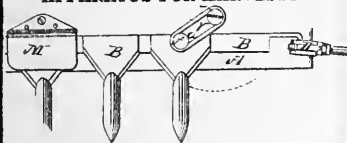
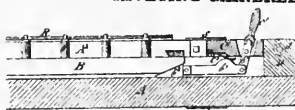
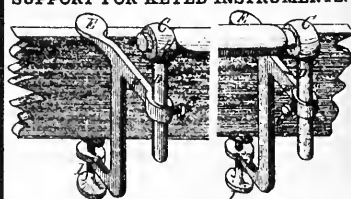
4,184. B. C. POLE.TREADLE FOR  
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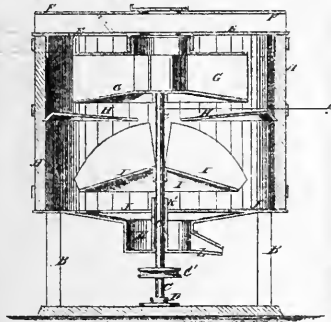
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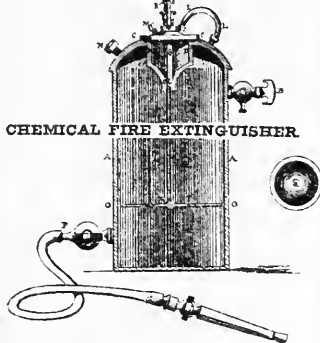
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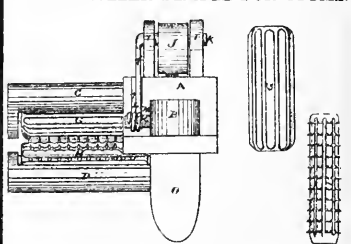
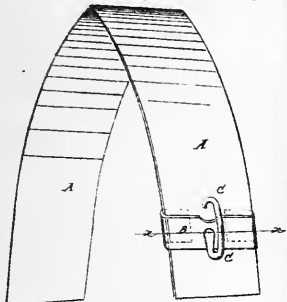
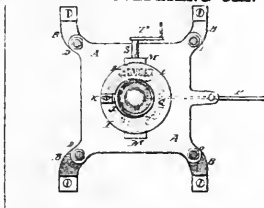
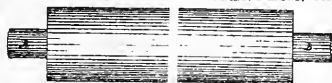
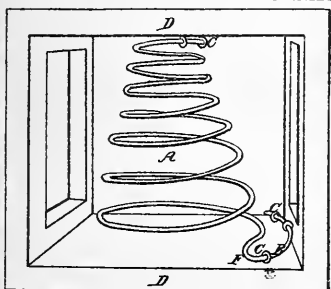
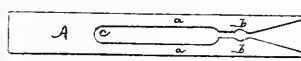
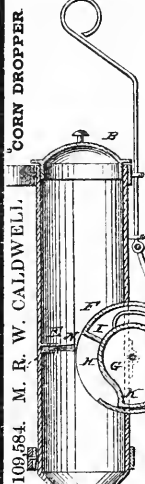
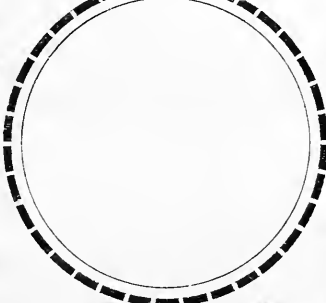
109,570. H. J. BALL. RUBBER CEMENT.

109,571. J. W. AUSTIN  
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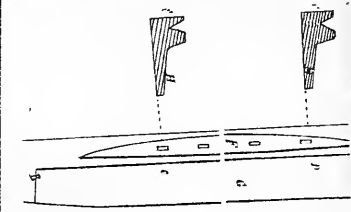
109,576. E. BIGELOW



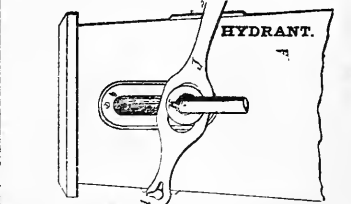
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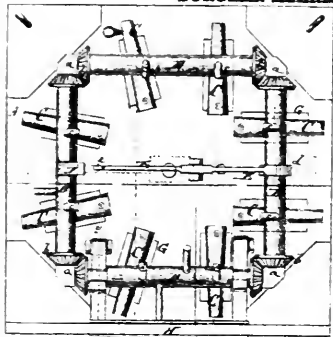
109,586. E. CATE HORSESHOE BAR.



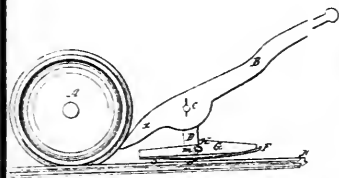
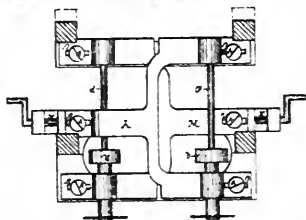
109,587. E. CLAMPITT



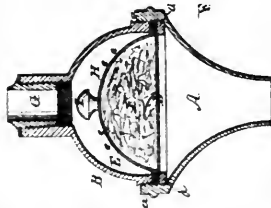
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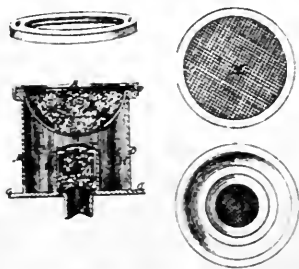
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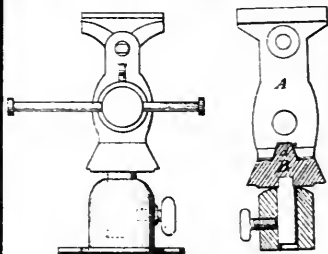
109,592. G. CURTIS. FILTER.



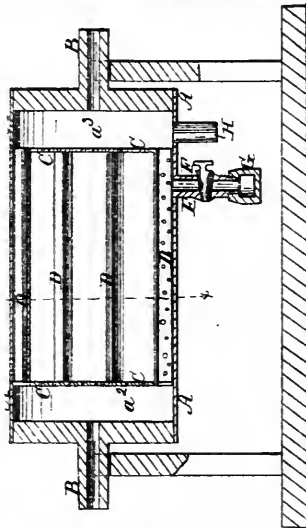
109,593. G. CURTIS FILTER.



109,594. O. DEAN

**COMBINED VISE AND DRILL.**

109,595. L. DEAN.

**BOILER FOR PREPARING PAPER PULP.**

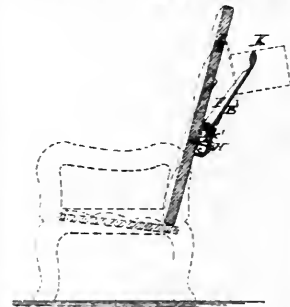
109,596. L. DEAN.

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109,597. E. J. DE SMEDT.

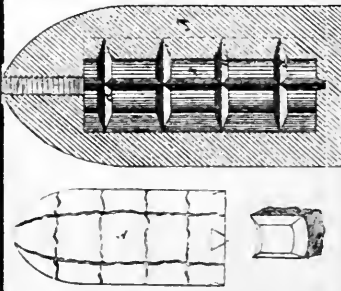
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109,598. J. A. DIXON

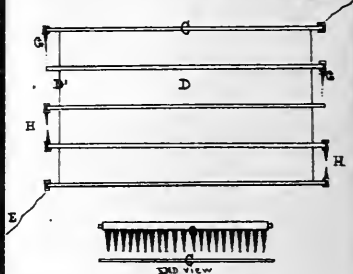
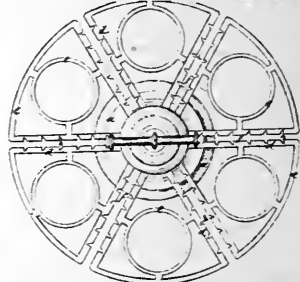
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109,599. R. DOBBINS HEALING SALVE.

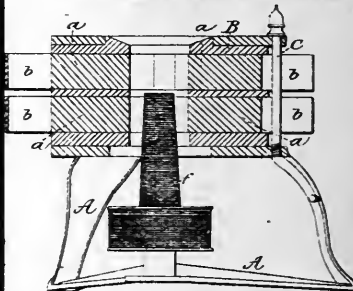
109,600. E. DRAKE PROJECTILE.



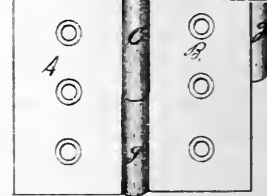
109,601. C. F. DUNDERDALE.

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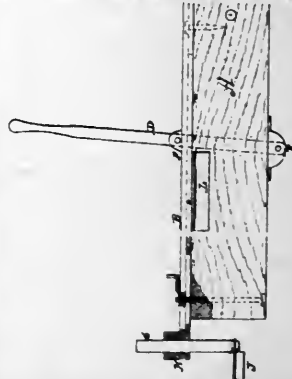
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**THERMO ELECTRIC BATTERY.**

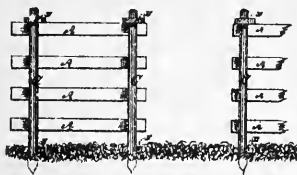
109,604. G. W. FIELD.

**REVERSIBLE BUTT.**

109,605. B. FITTS.

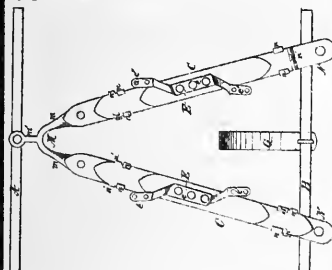
**LOG GUIDE FOR CIRCULAR SAW MILLS.**

109,606. R. J. FLANNER. FENCE.

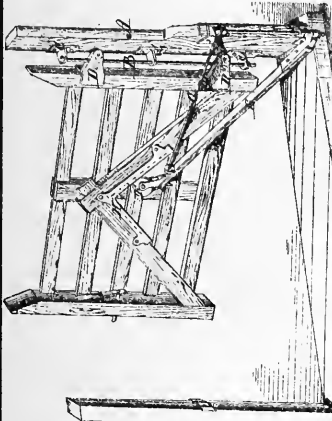


109,607. W. H. FOYE. MANUFACTURE OF ARTIFICIAL STONE.

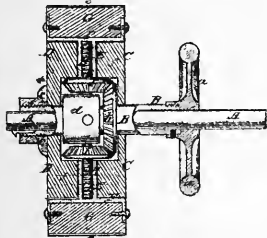
109,608. G. E. GARRETSON. ELASTIC RUNNING GEAR FOR CARRIAGES.



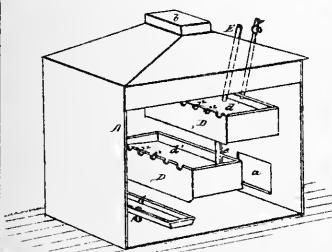
109,609. E. GEMBERLING. GATE.



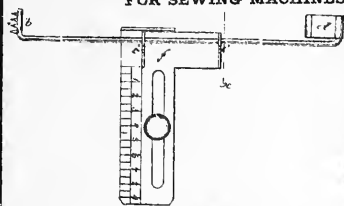
109,610. J. GOODEN. POLISHING MACHINE.



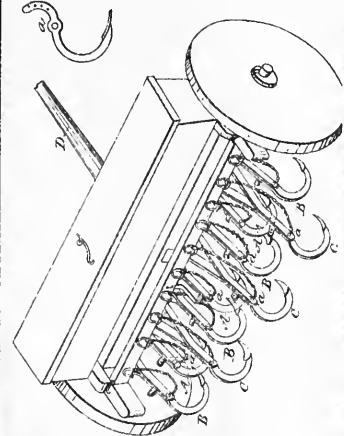
109,611. J. P. GREELEY. APPARATUS FOR AGING WHISKY AND OTHER SPIRITS.



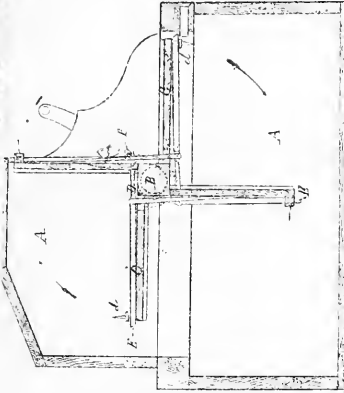
109,612. F. T. GRIMES. ATTACHMENT FOR SEWING MACHINES.



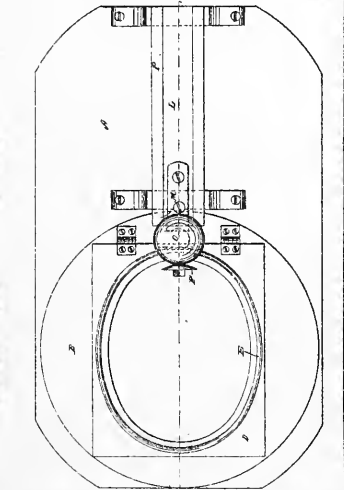
109,613. H. L. HALL. COMBINED SEED SOWER AND CULTIVATOR.



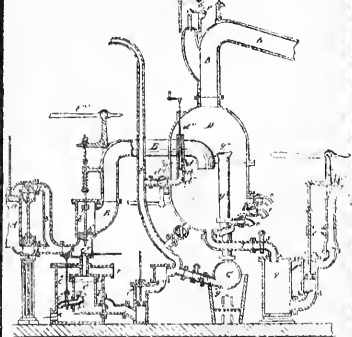
109,614. W. R. HAMPTON. ANIMAL TRAP.



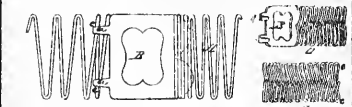
109,615. J. HAWORTH. PHOTOGRAPHIC PRINT CUTTER.



109,616. J. HOUTT. STEAM GENERATOR.



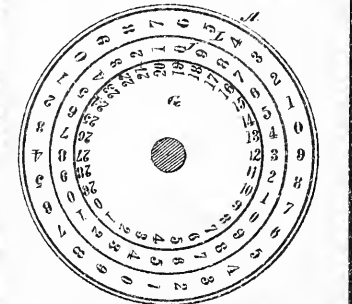
109,617. H. A. HOUSE. GARTER.



109,618. H. A. HOUSE. AUTOMATON ROPE WALKER.



109,619. H. A. HOUSE. ADDING AND SUBTRACTING REGISTER.

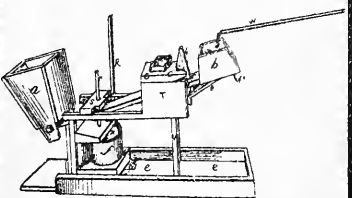


109,620. A. HUMBERT. COMBINING KEYS WITH WATCHES.



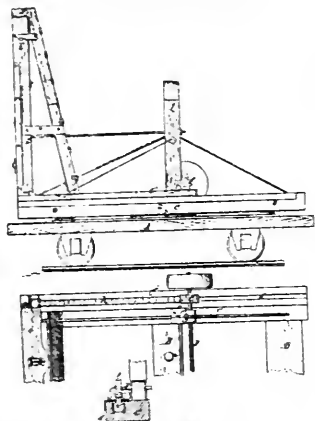
109,621. C. B. HUTCHINS. MANUFACTURE OF PAPER.

109,622. T. H. HUTCHINSON. WATER ELEVATOR.

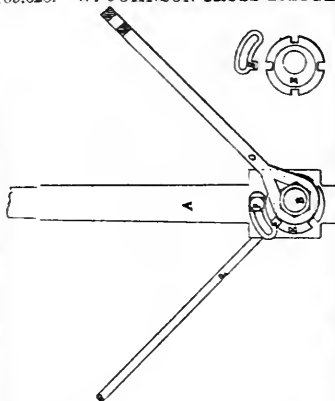
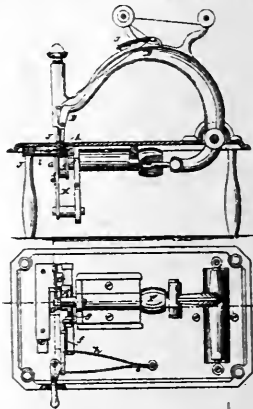




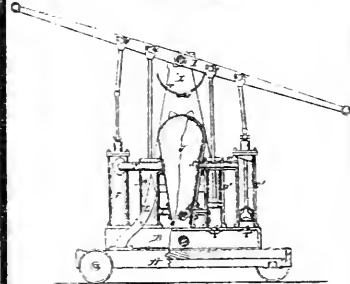
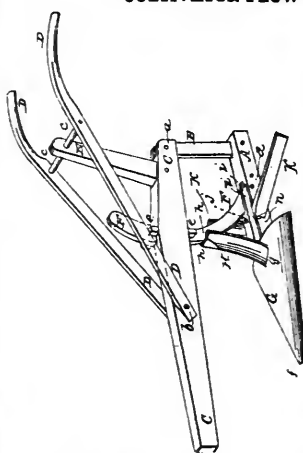
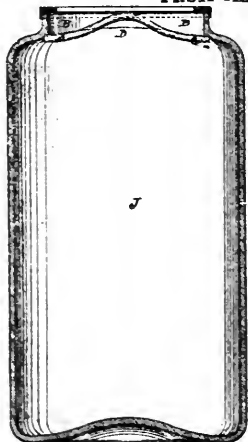
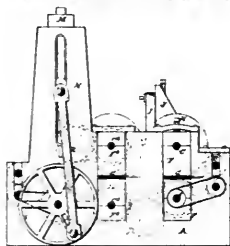
109,623. J. HAY FILE DRIVER.



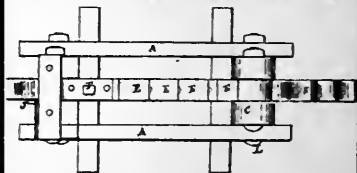
109,628. W. JOHNSON TRUSS BRIDGE.

109,632. I. W. LAMB  
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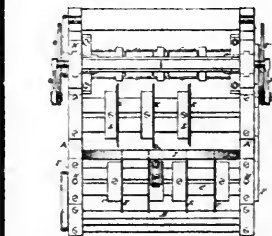
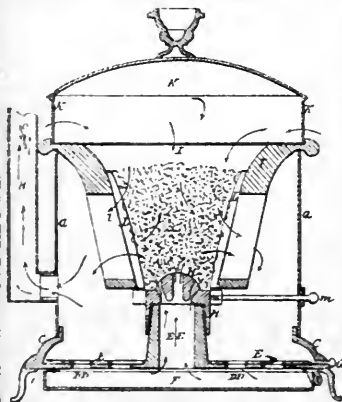
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109,629. T. F. JONES.  
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109,635 S. C. LEONARD LIFTING JACK

109,626. E. INGRAHAM  
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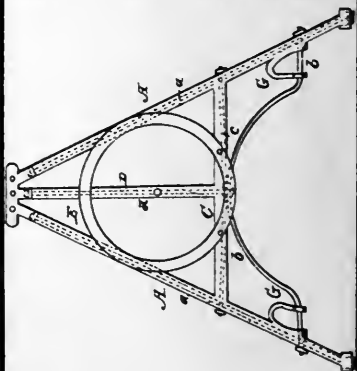
109,627 G. B. ISHAM HEATING STOVE.

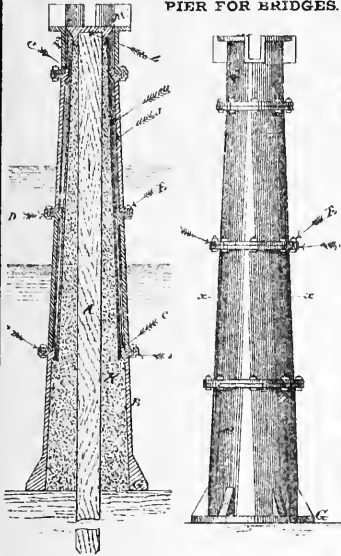


109,631. H. K. KENYON PUMP.

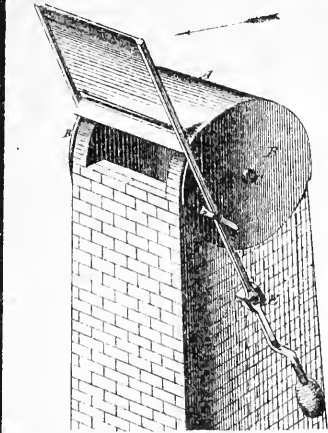
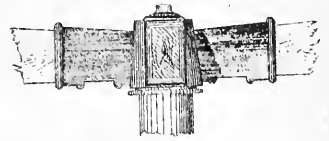


109,636. J. LE ROY FIFTH WHEEL

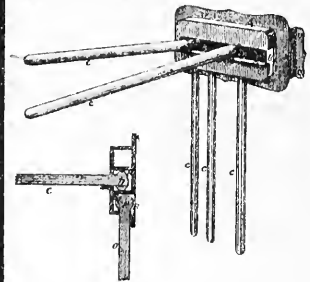
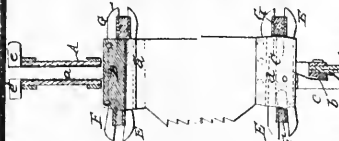


109,637. C. H. LILIENTHAL.  
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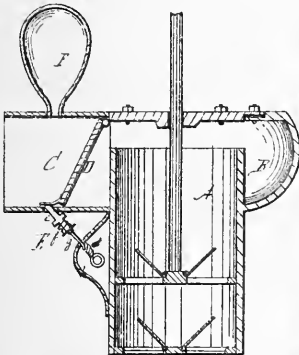
109,642. M. E. MEAD CHIMNEY TOP.

109,647. W. N. AND A. K. MOORE.  
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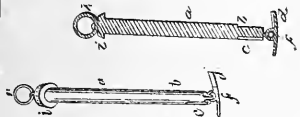
109,648. F. MYERS. TOWEL RACK.

109,643. O. C. MEIGS.  
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C. J. EAMES.  
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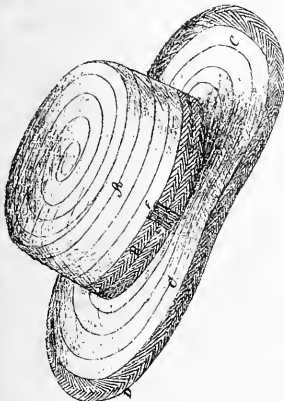
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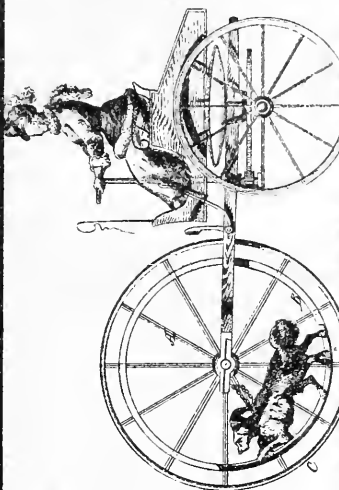
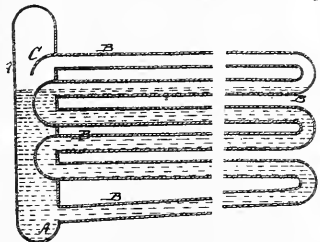
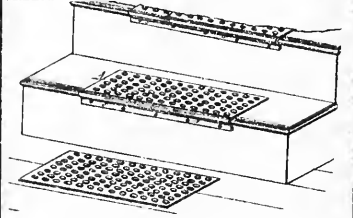
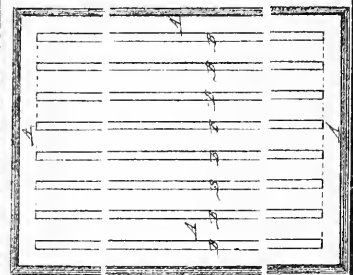
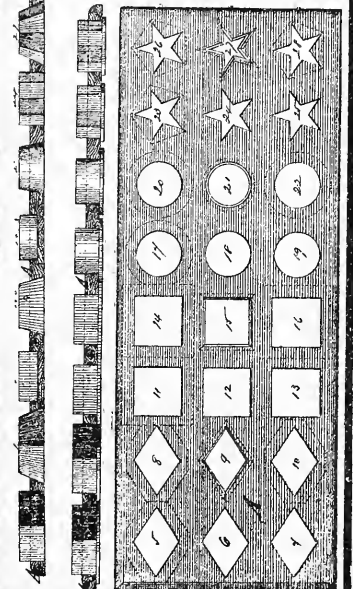
109,640. F. G. McCLELLAND BOLT.

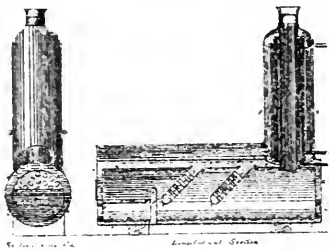
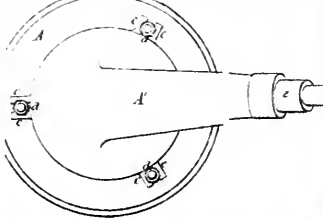


109,641. J. W. MCGILL. HAT.

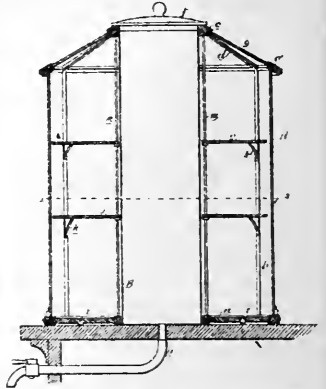
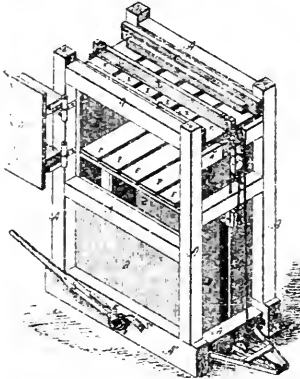


109,644. F. H. C. MEY. VEHICLE.

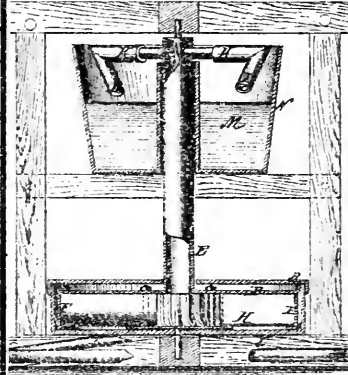
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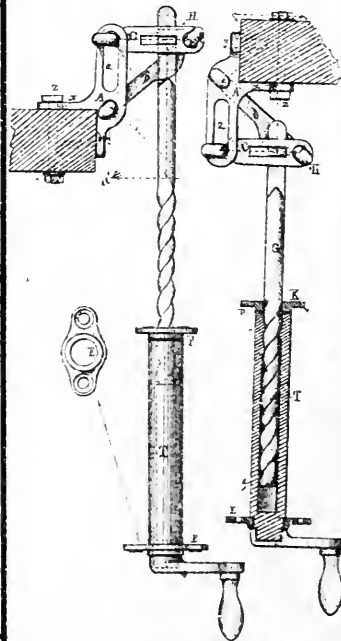
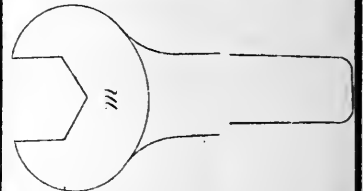
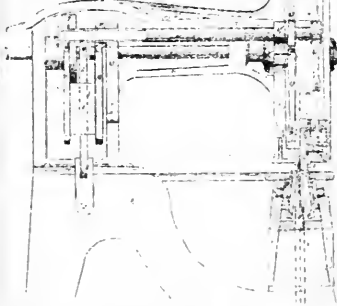
109,663. P. PRICE SHOW CASE

109,653. W. R. NEWMAN  
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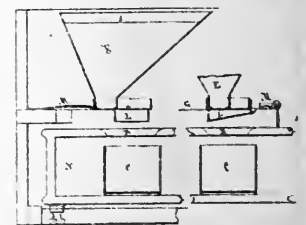
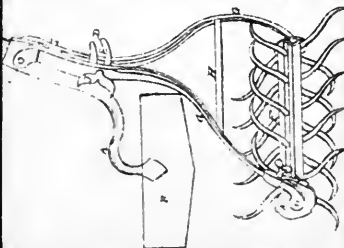
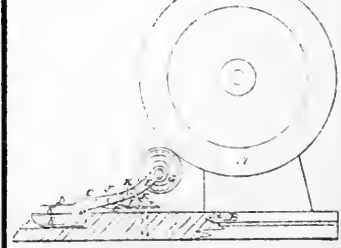
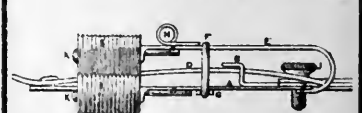
109,659 J. N. POMMERT STEAM WHEEL



109,664. D. REYNOLDS WATER WHEEL

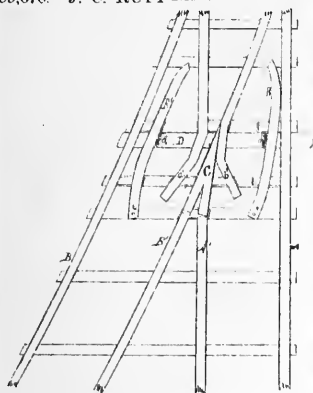
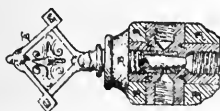
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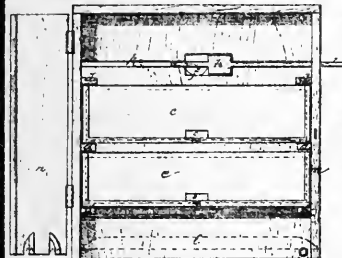
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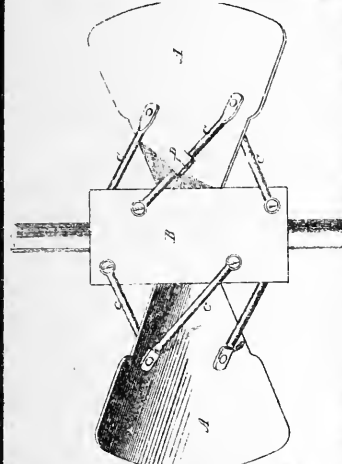
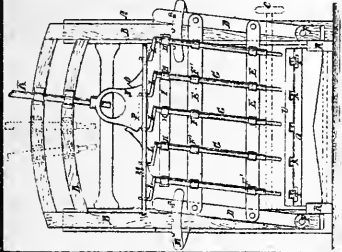
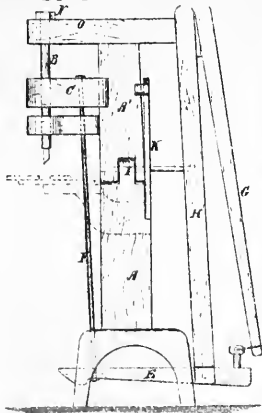
109,670. J. C. RUPP RAILWAY FROG

109,671. S. RUST, JR.  
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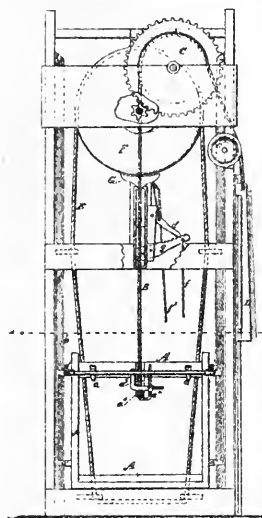
109,672. W. A. RUTH, BEE HIVE.



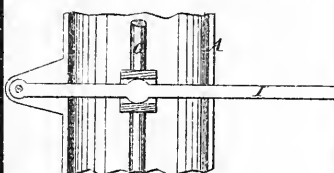
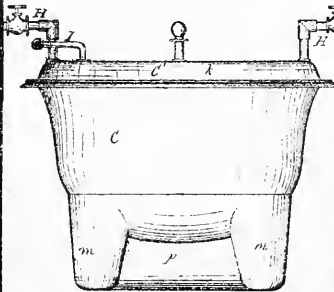
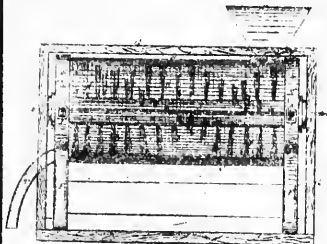
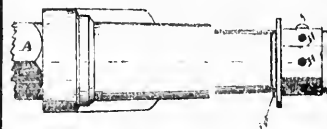
109,673. J. SALTER PROPELLER

109,674. J. B. SCHMID  
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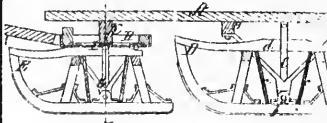
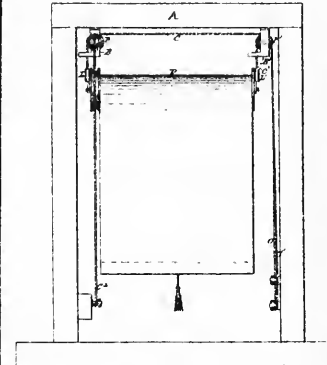
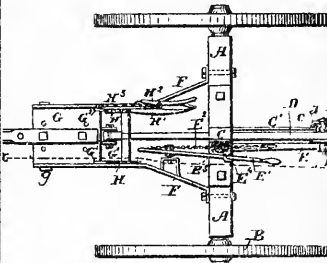
109,676. G. SCOTT, ELEVATOR

109,677. A. SEITZ.  
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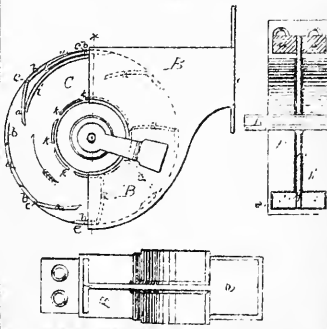
109,678. W. SHEARER, PUMP.

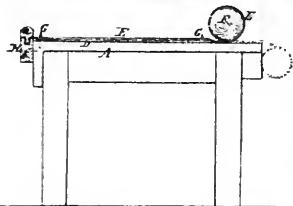
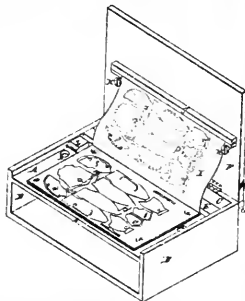
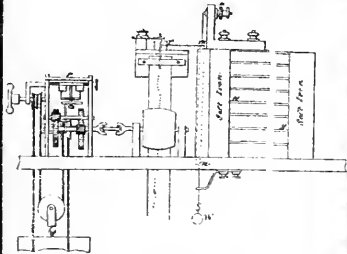
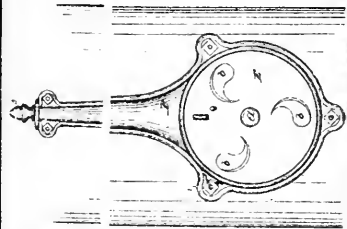
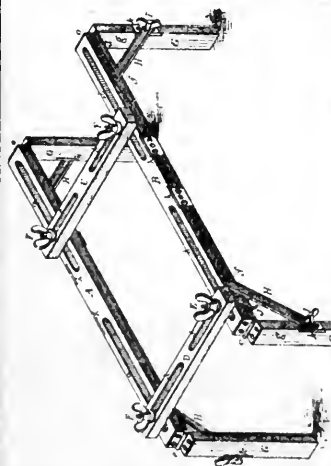
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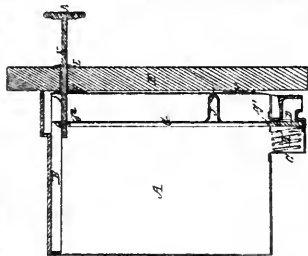
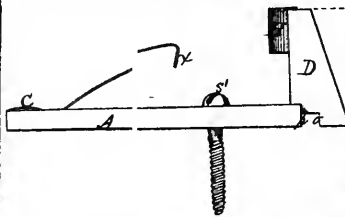
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109,685. W. A. TERRY WATER WHEEL

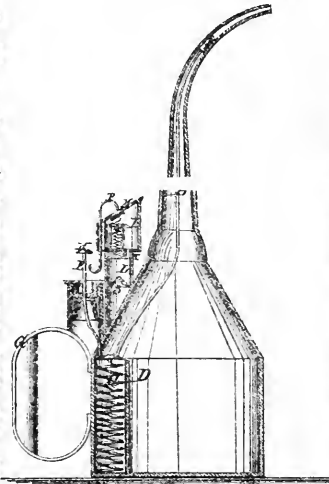


109,686. A. THOMAS.  
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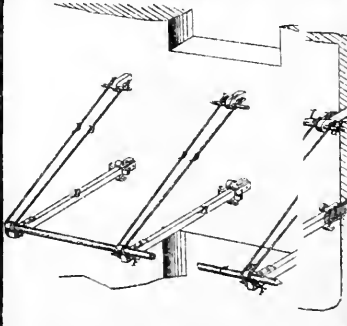
109,691. A. TUMLER SIRUP CAN.

109,692. A. A. VEER  
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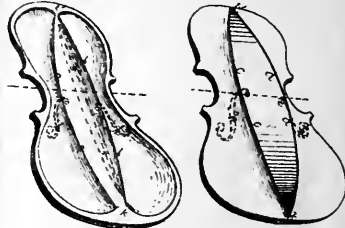
109,693. H. C. WARFEL OIL CAN.



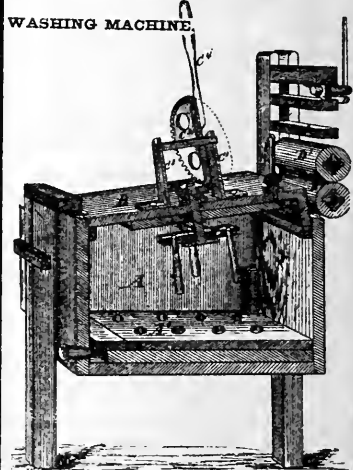
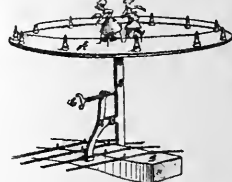
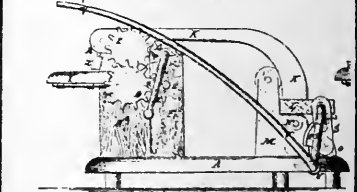
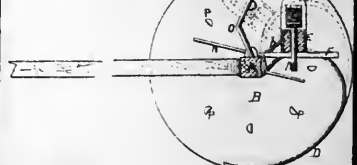
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109,695. G. WESTINGHOUSE, JR.  
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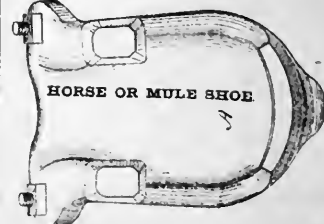
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109,697. L. H. WHITNEY.

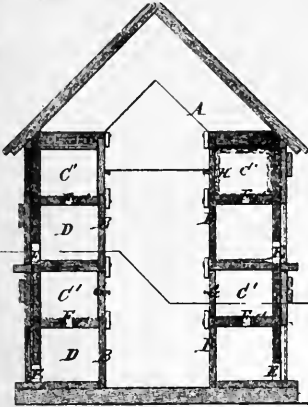
109,698. G. L. AND L. P. WILD.  
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HORSE HAY RAKE.

109,701. J. WONDERLIN



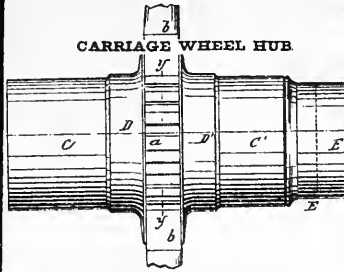


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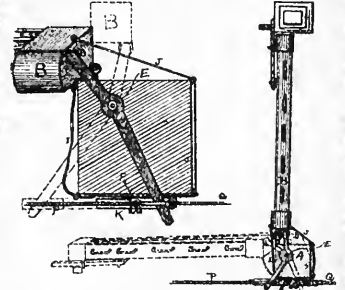
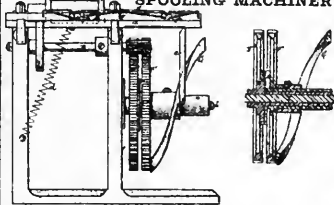


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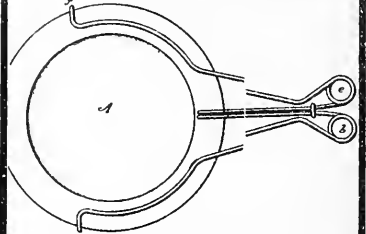
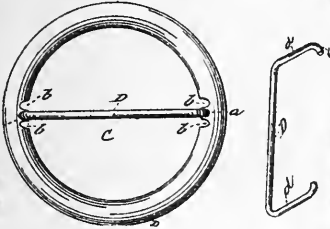
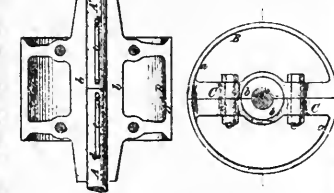
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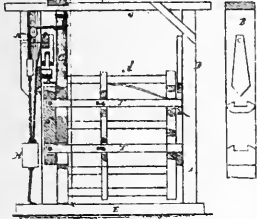
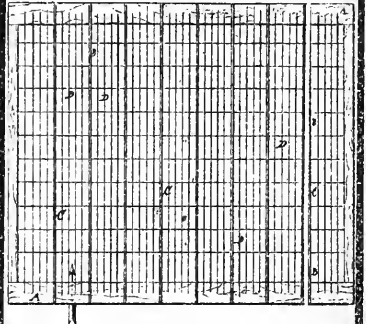
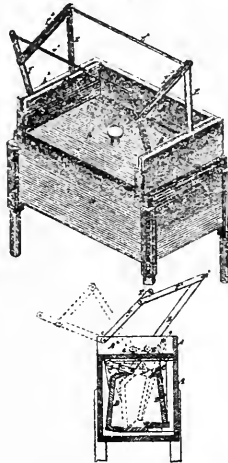
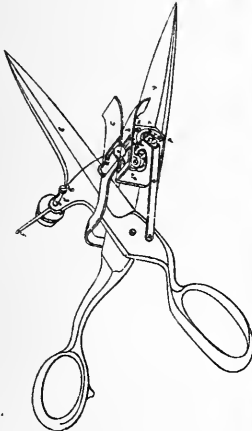
109.713. R. T. BOWNE. GATE.

109.708. J. E. ATWOOD.  
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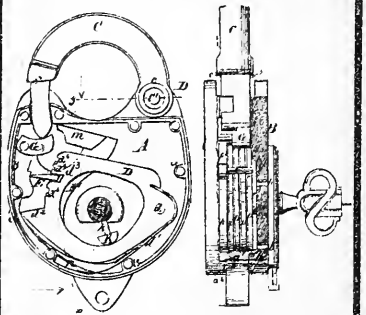
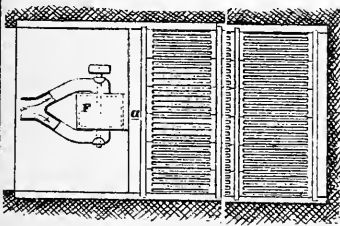
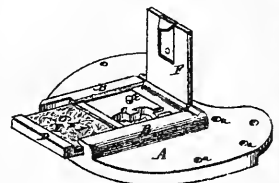
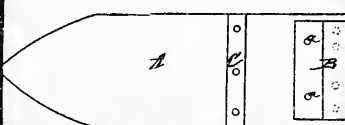
109.715. H. P. BROOKS. PLATE LIFTER.

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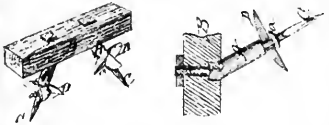
109.704. J. WRIGHT. GATE.

109.716. M. M. COOPER AND  
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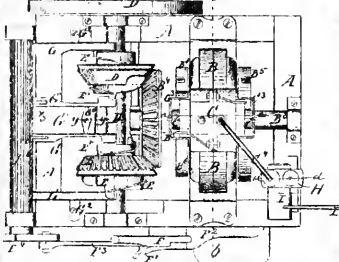
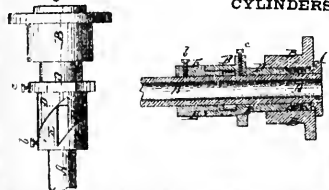
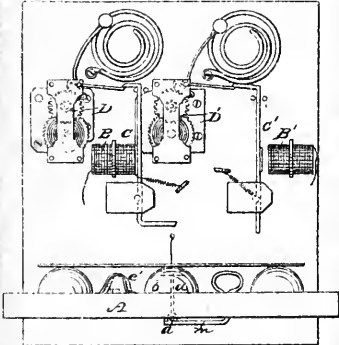
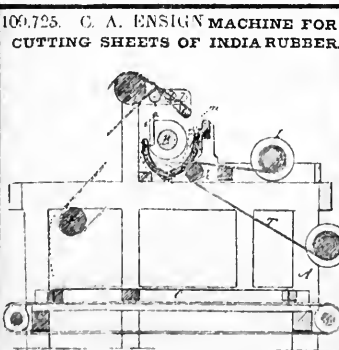
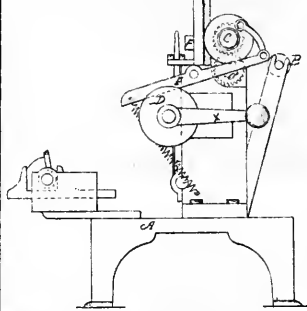
109.717. J. CORBETT PADLOCK

109.706. W. ADAMSON.  
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109,719 S. W. CORBIN HARROW TOOTH

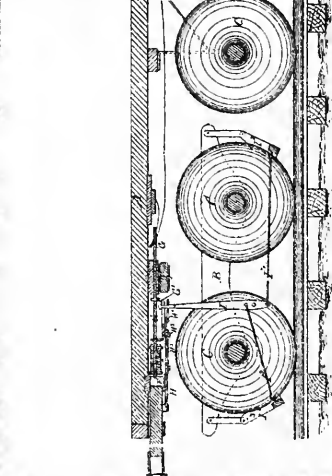


109,720 J. E. DARNALL FLY BRUSH

109,721 J. B. AND S. M. DAVIS  
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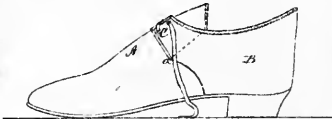
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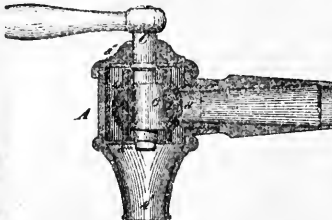
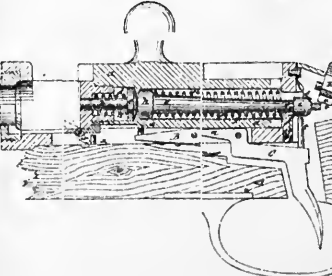


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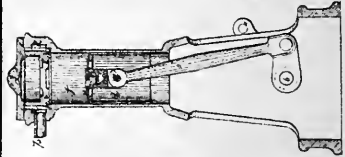
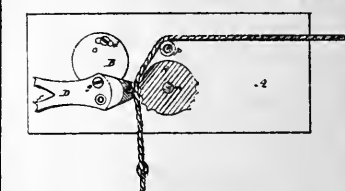
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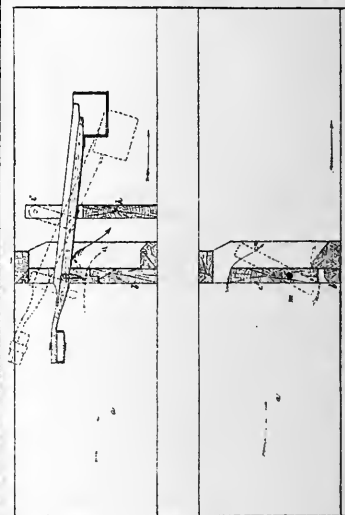
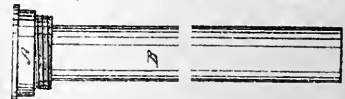
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109,731 J. HANSON  
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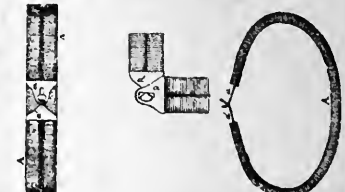
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109,733 B. B. HERRICK  
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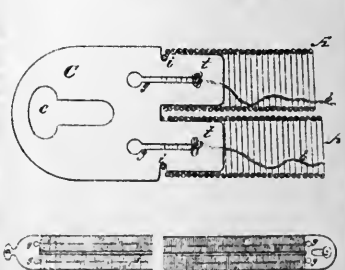
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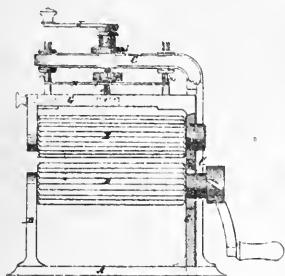
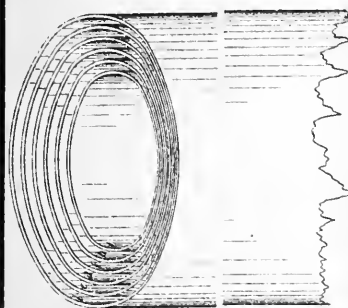
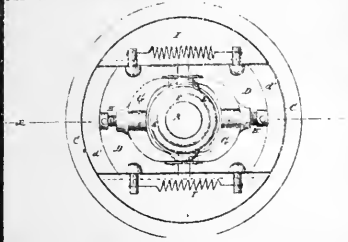
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109,736 H. A. HOUSE GARTER

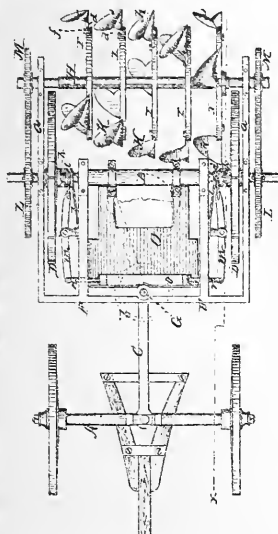


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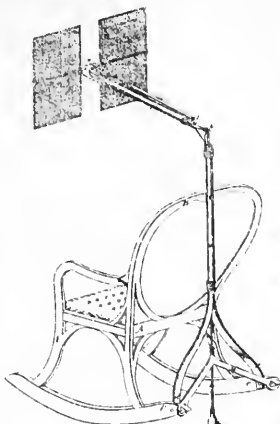
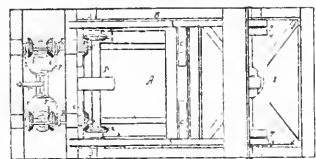
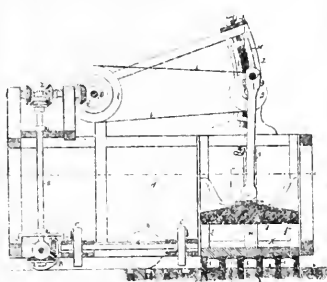
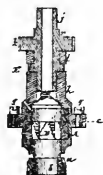
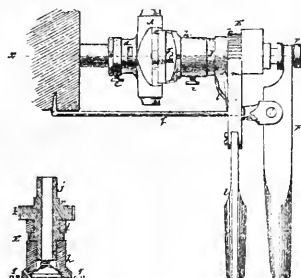
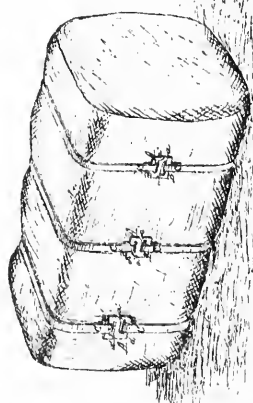


109,738. A. Y. HUBBELL.  
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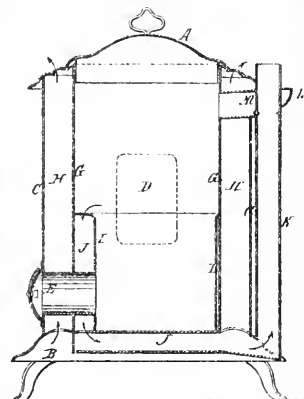
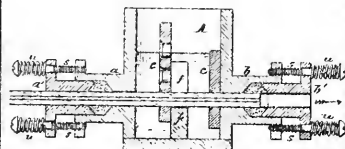
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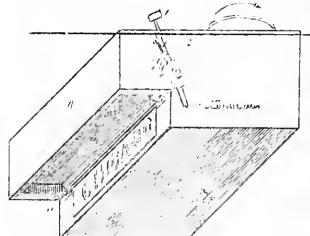
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109,743. S. W. KIRK. SEPARATING  
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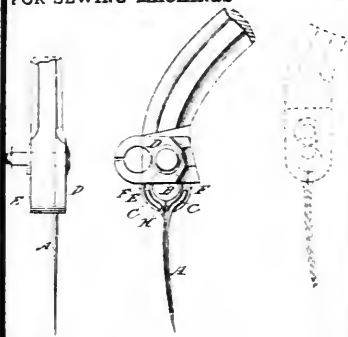
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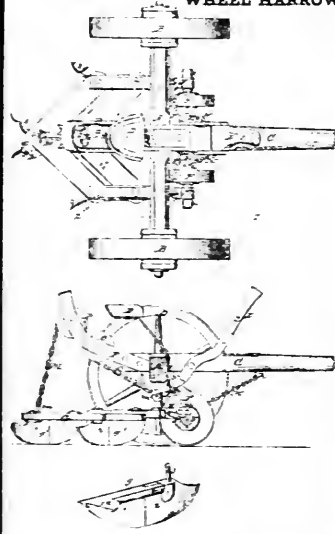
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109,752. C. M. NES.  
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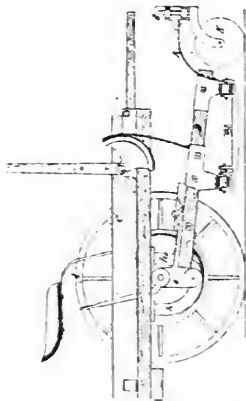
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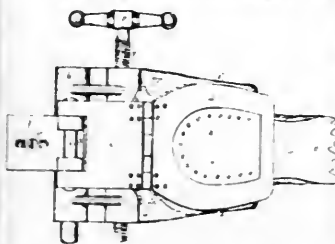
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109,755. S. AND I. RAWSON. HARVESTER

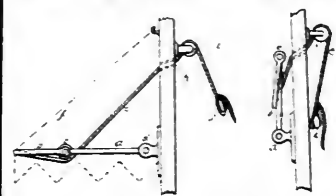


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MACHINE FOR HEELING BOOTS

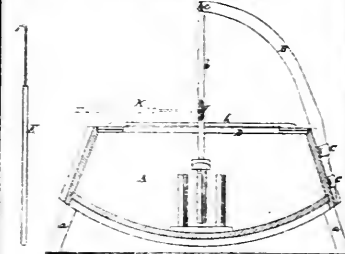


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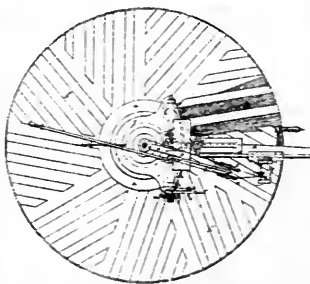
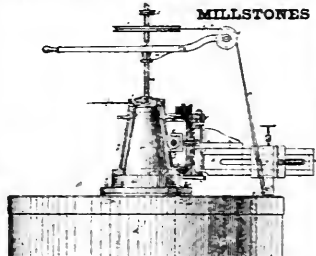
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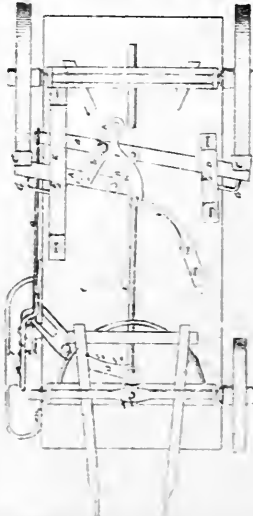
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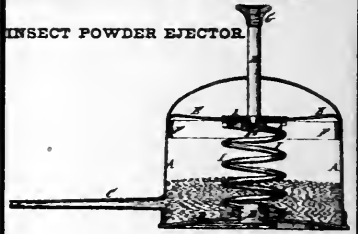
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APPARATUS FOR DRESSING  
MILLSTONES



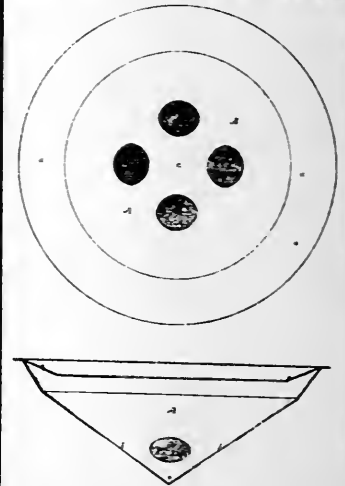
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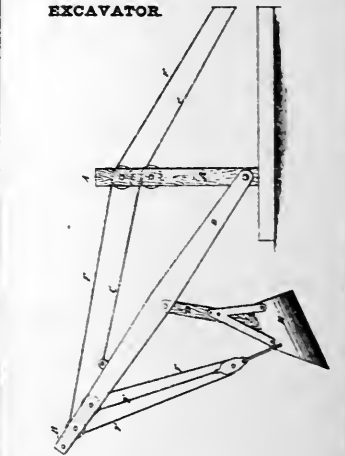
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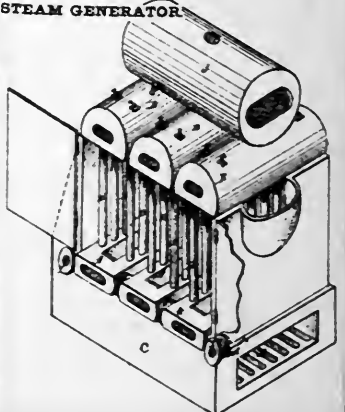
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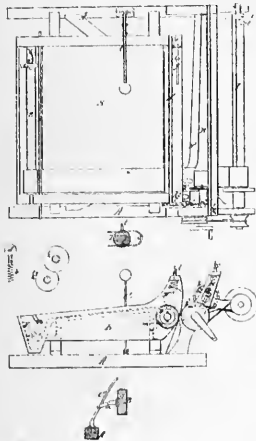
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EXCAVATOR



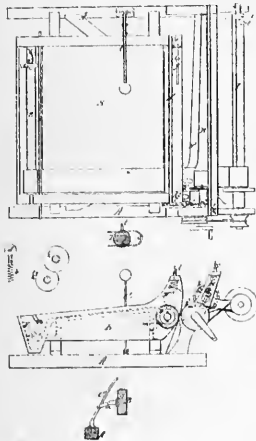
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STEAM GENERATOR



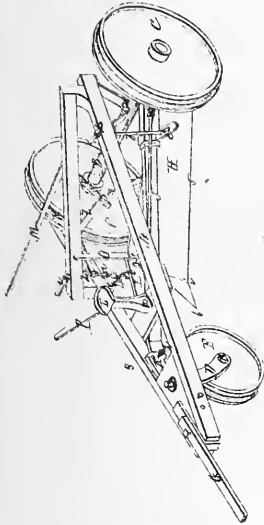
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109,767. J. F. SCHUYLER.  
PAPER TRIMMING MACHINE.

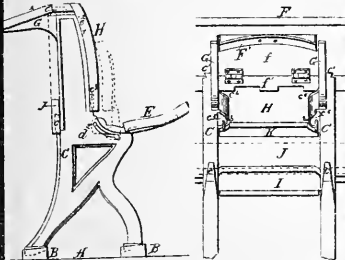


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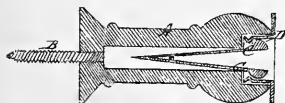


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FILLING FOR WOOD.

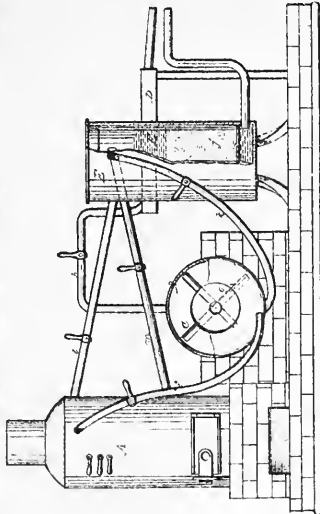
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SCHOOL DESK AND SEAT.



109,771. O. SLIKER.  
DOOR HOLDER OR CHECK.

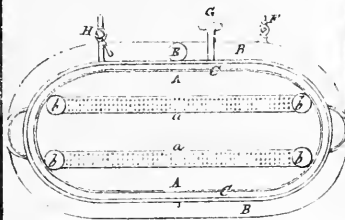


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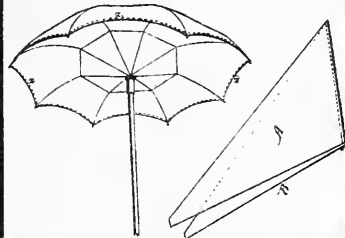


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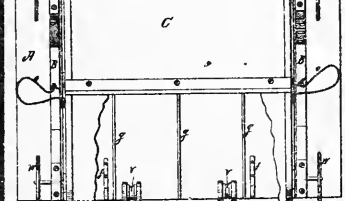
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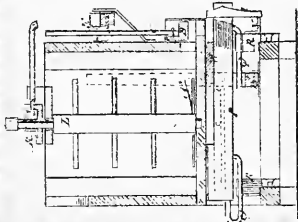
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109,776. L. B. STILSON AND  
J. G. PAYSON DUMPING APPARATUS.



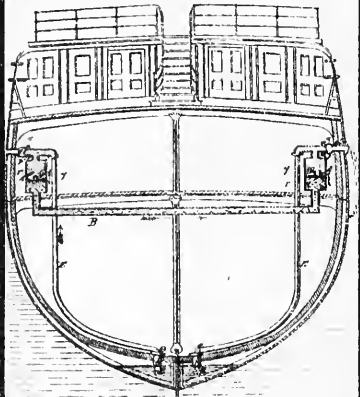
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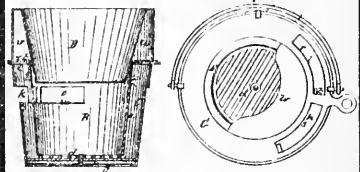
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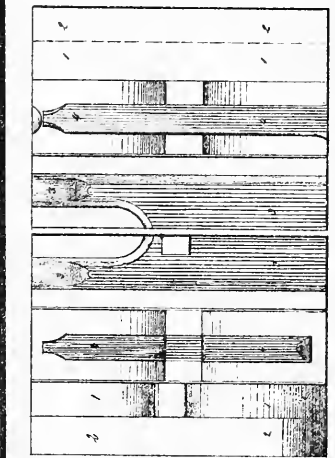
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VENTILATOR, ALARM, AND BILGE  
PUMP FOR VESSELS.



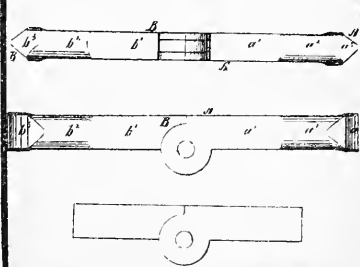
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109,781. F. VAN PATTEN DIE FOR  
FORGING FIFTH WHEEL HEADS

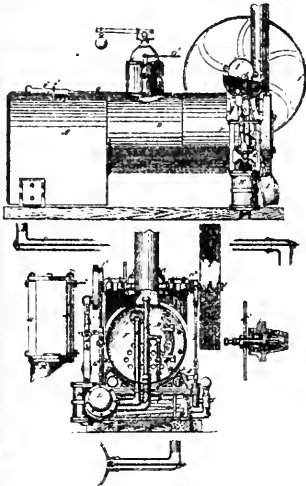


109,782. F. VAN PATTEN AND  
E. D. CLAPP STUMP  
JOINT FOR CARRIAGE TOP BRACES

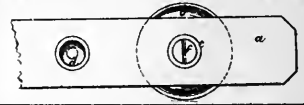
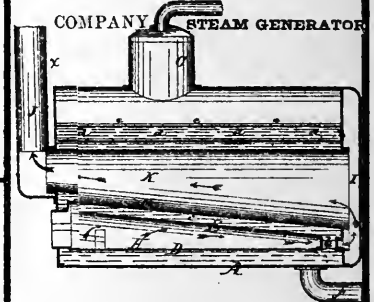
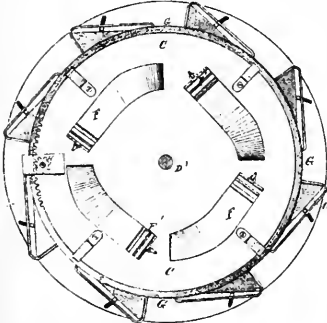




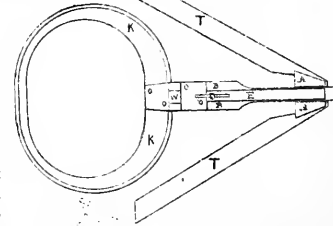
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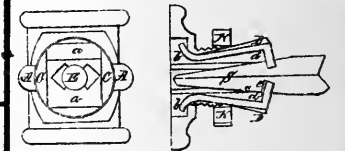
109,787. F. WICKS. ELEVATOR.

4,185. W. E. BARTON.  
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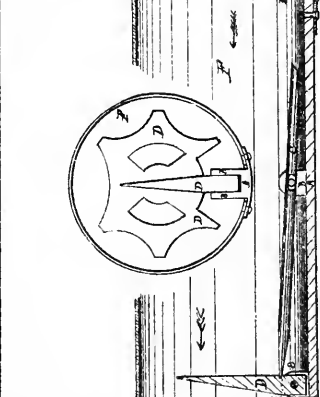


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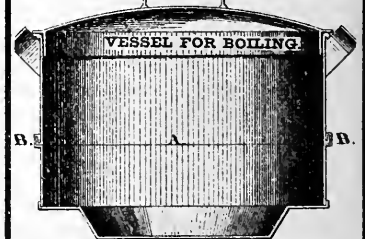
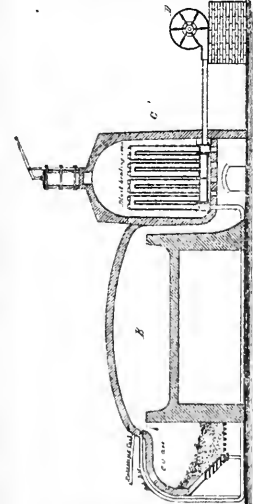
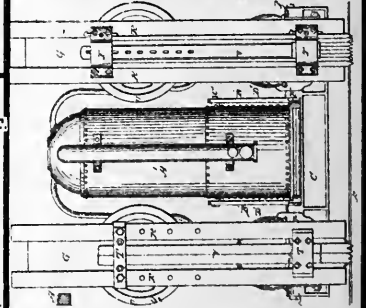


109,789. R. E. WOOD

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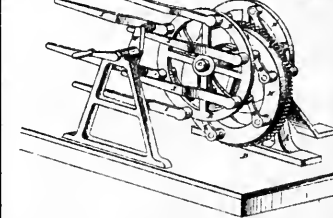


4,188. W. KREGER

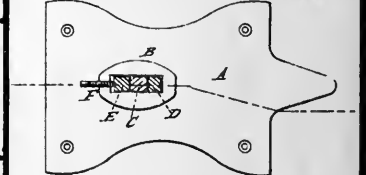
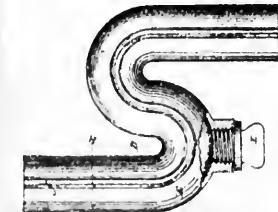
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109,790. J. WOOLF.

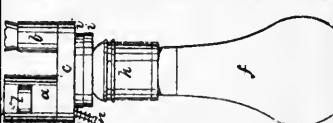
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4,191. H. SCOTT. SKATE FASTENING.

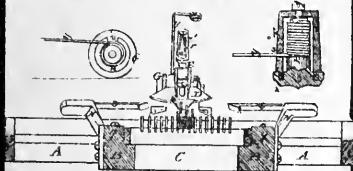


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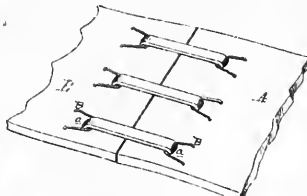
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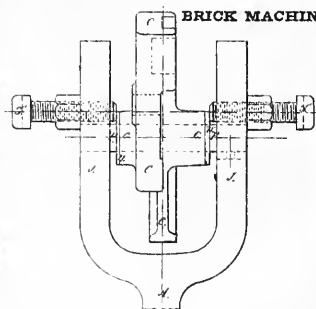
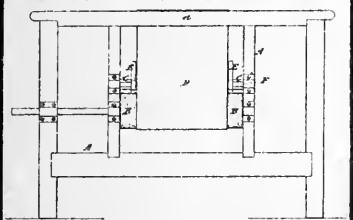
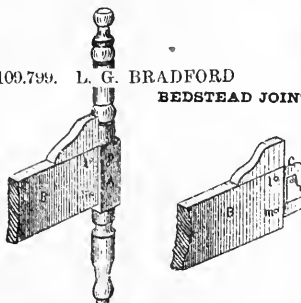
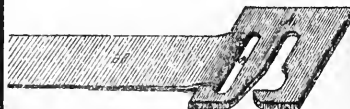
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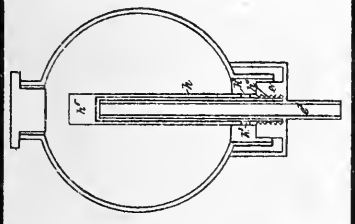
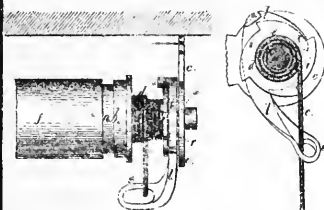
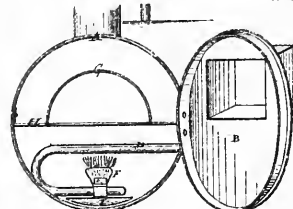


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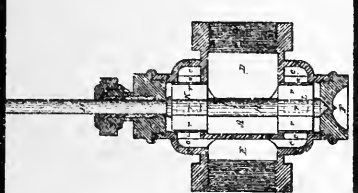
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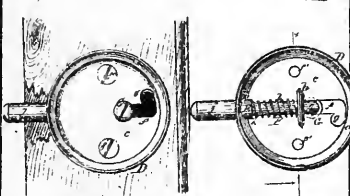
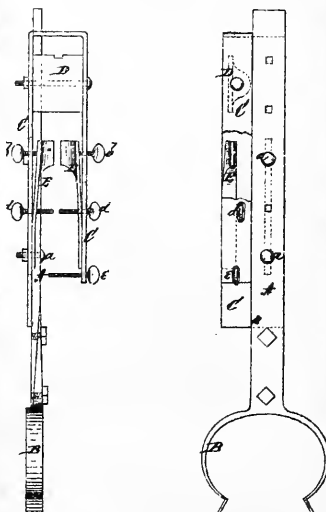
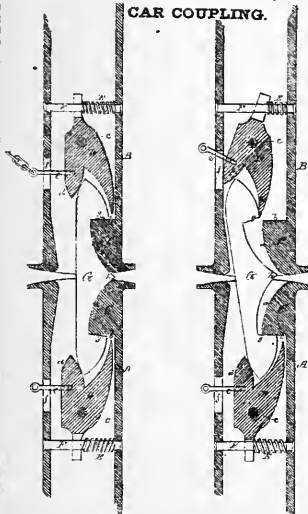
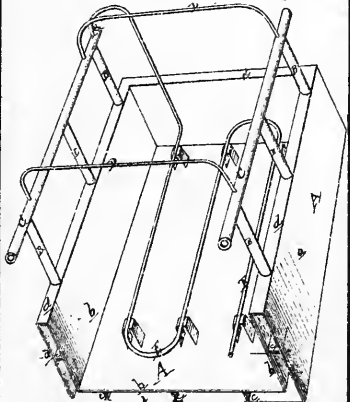
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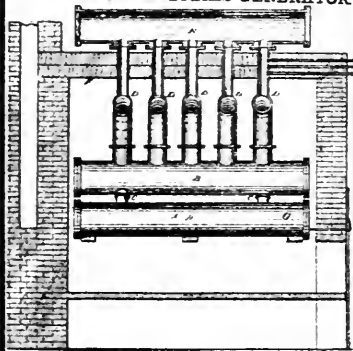
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109,796. R. BERRYMAN VALVE COCK

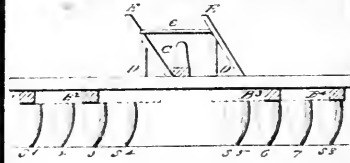
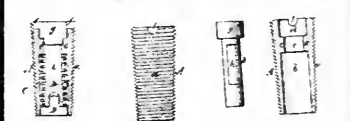
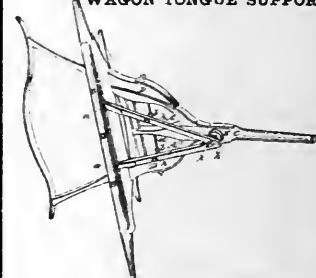
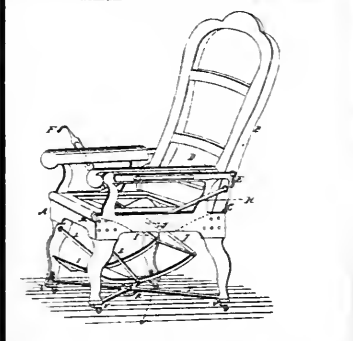


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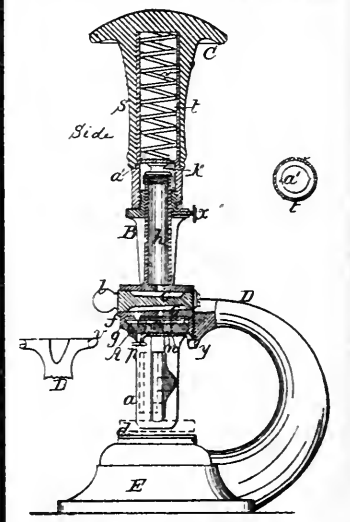
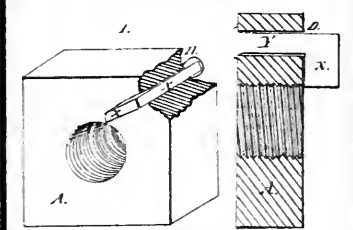
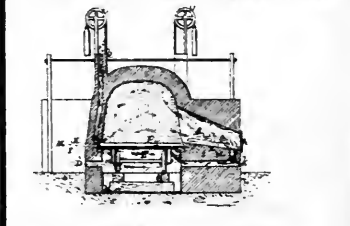
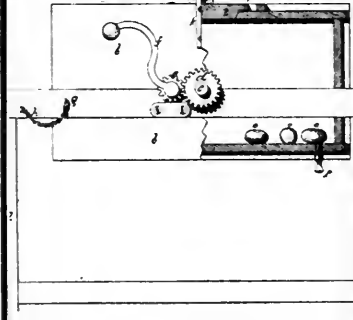
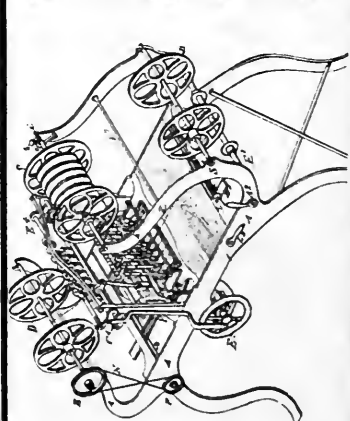
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109,807. L. R. CORNELL.  
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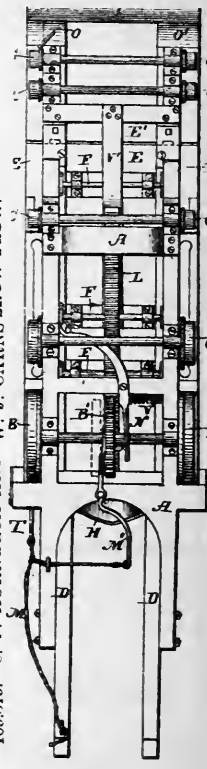
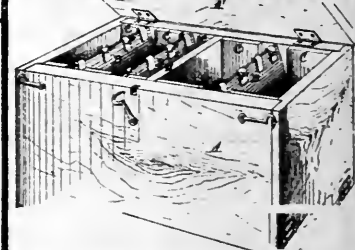
109,812. A. ESHLEMAN CULTIVATOR.

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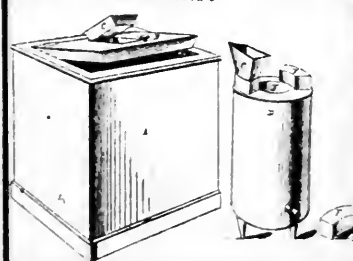
109,814. D. W. FISH. HAND STAMP.

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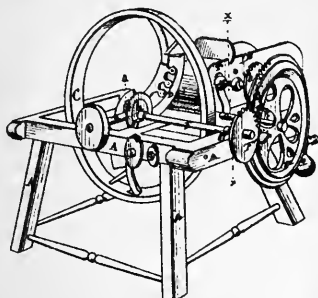
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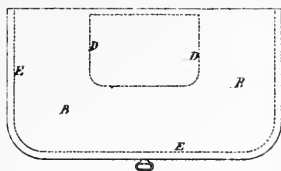
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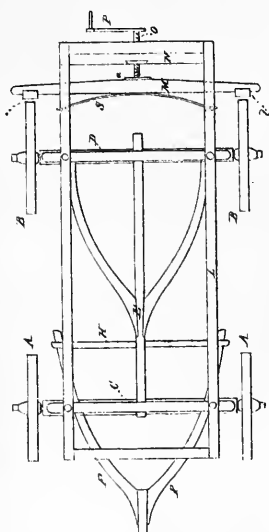
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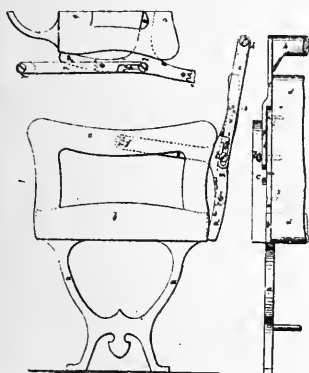
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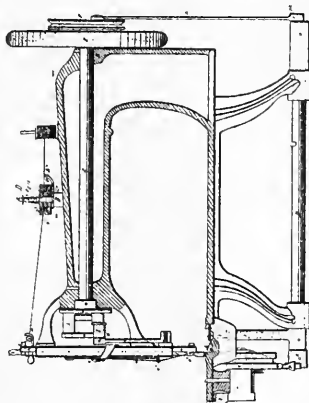
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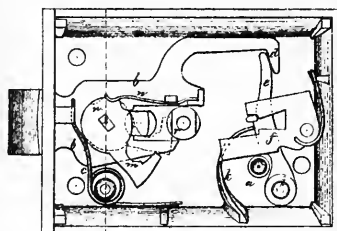


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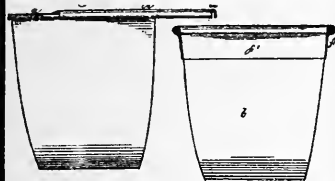


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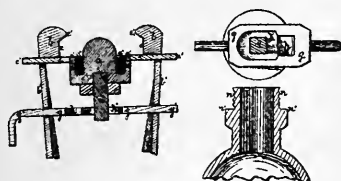
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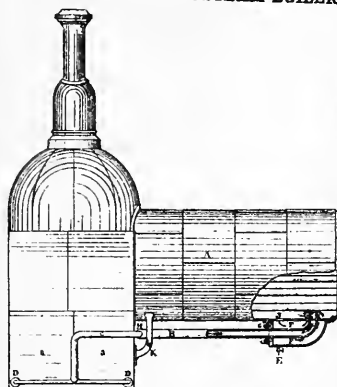
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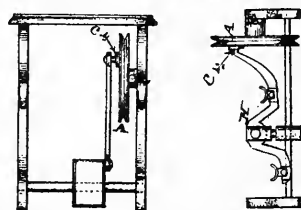
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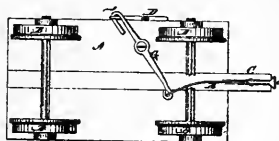
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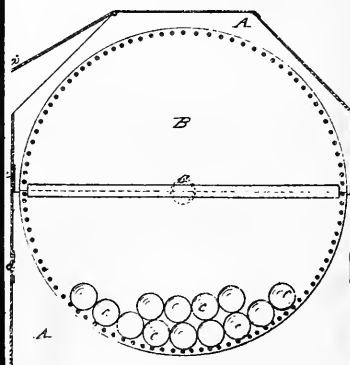
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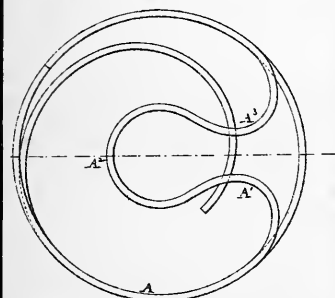
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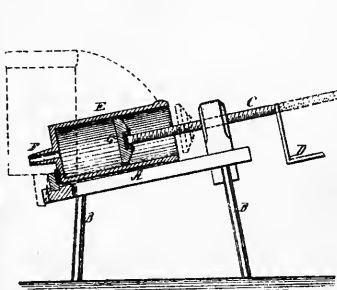
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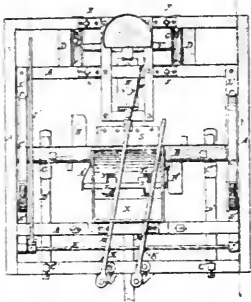
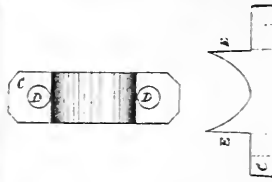
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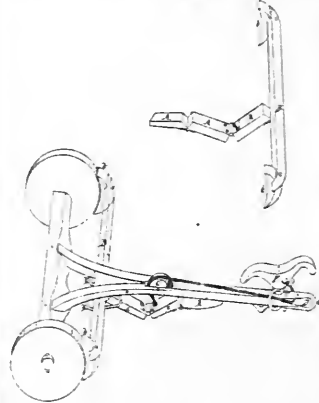
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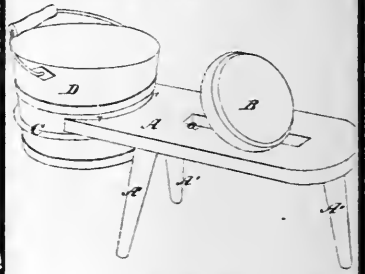
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109,842. S. ROWELL.  
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109,843 G. W. SANBORN WAGON BRAKE

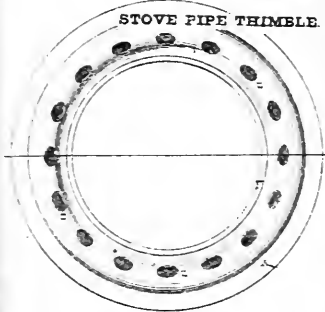
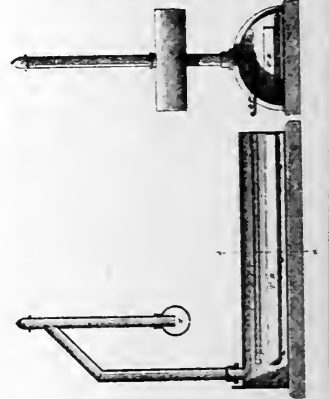
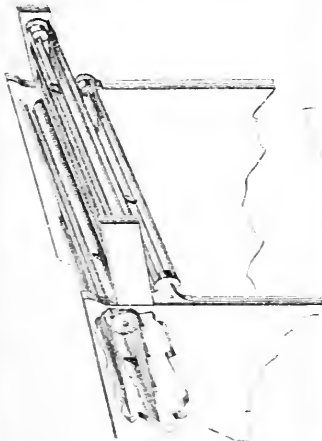
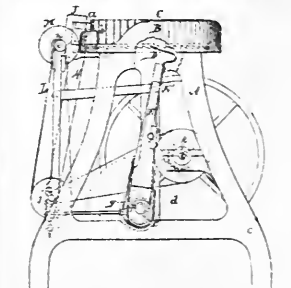


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109,838 J. D. PIERCE AND J. B. SMITH

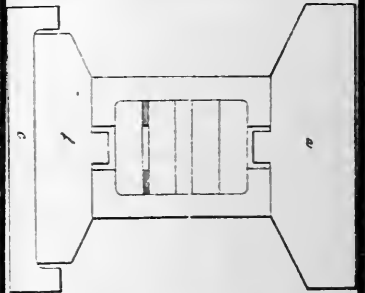
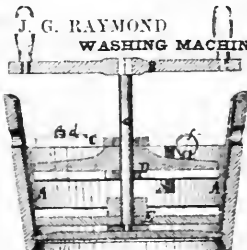
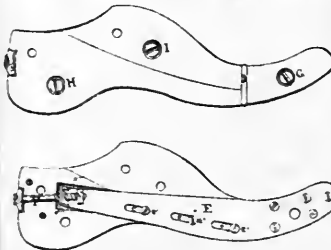
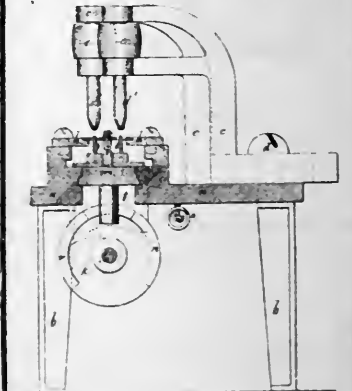
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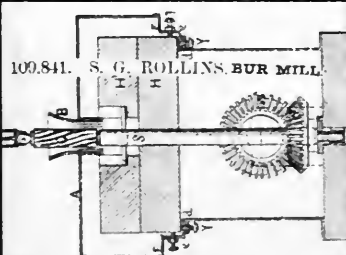
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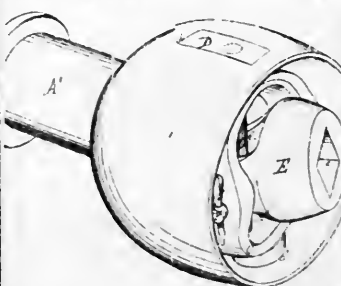
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HOLES IN BUTT HINGES.

109,841. S. G. ROLLINS. BUR MILL.

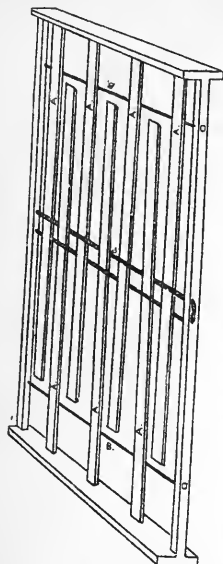


109,846. W. SMEED SHAFT COUPLING

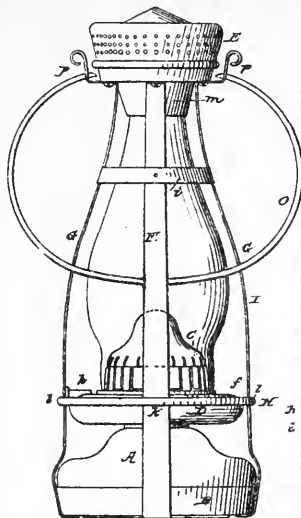




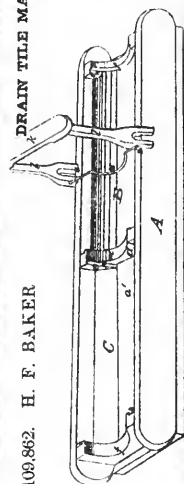
109,852. C. VALKMAR BED BOTTOM.



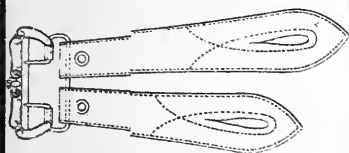
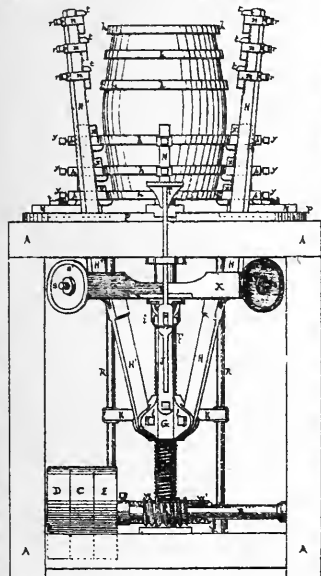
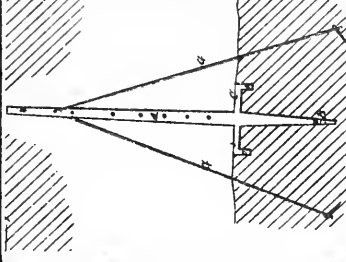
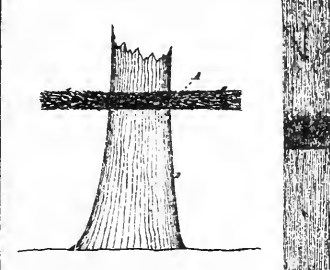
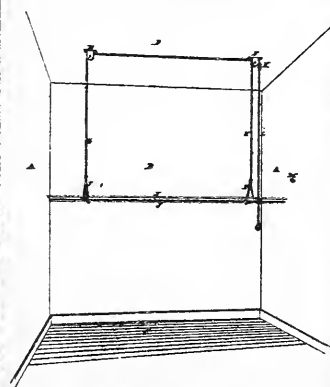
109,856. H. J. WHITE. LANTERN.

109,857. D. WHITELEY.  
PROCESS OF SEPARATING THE HAIR  
FROM THE WARP IN HAIR CLOTH

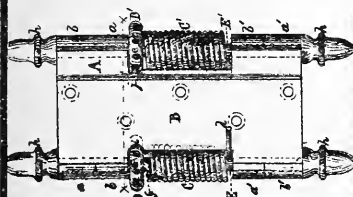
109,861. R. C. ANDRUS. CORPSE PRESERVER.

109,862. H. F. BAKER.  
DRAIN TILE MACHINE.

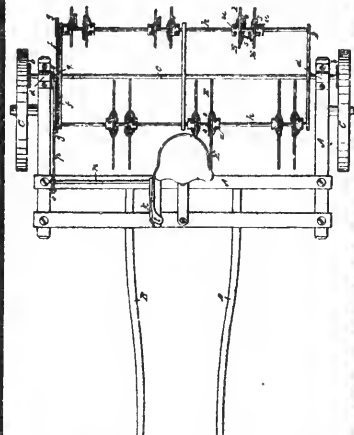
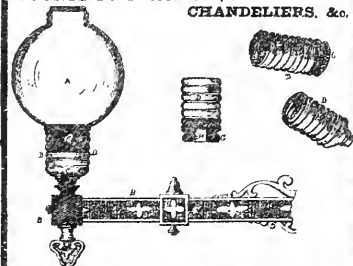
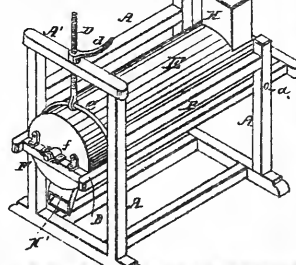
109,853. J. W. WATTLESSUSPENDERS

109,854. P. WELCH  
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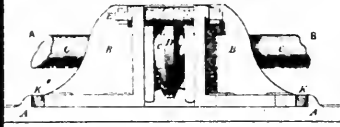
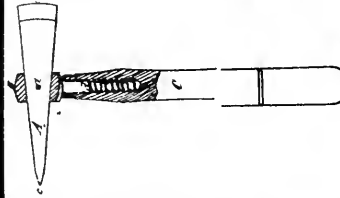
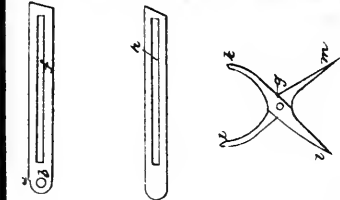
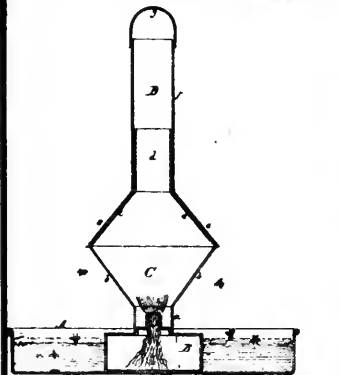
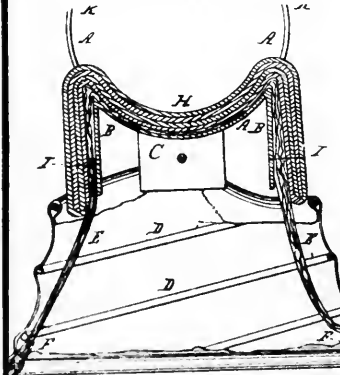
109,855. W. WELLS SPRING HINGE.



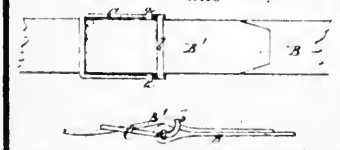
109,863. O. A. BENTON HAY TEDDER.

109,864. G. BOHNER. ATTACHING LAMP  
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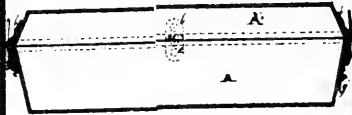
109,866 W. BROWN. FRICTION ROLLER.

109,867. J. N. BUNNELL.  
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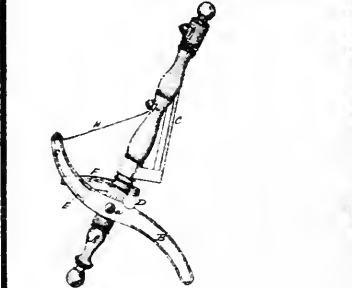
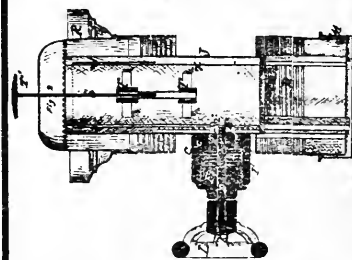
109,871. L. D. COWLES. BUCKLE.

109,872. C. M. CRESSON.  
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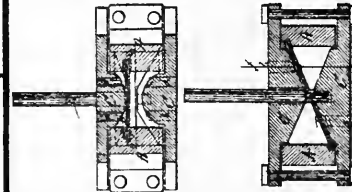
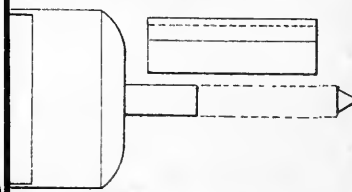
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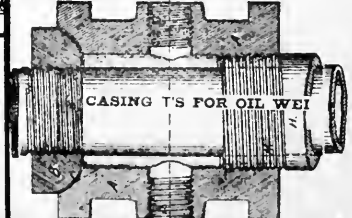
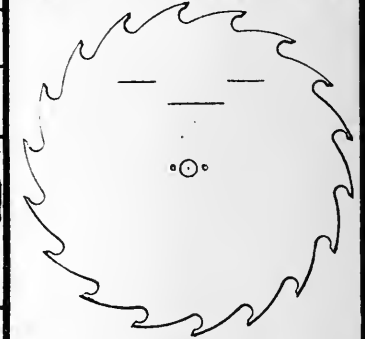
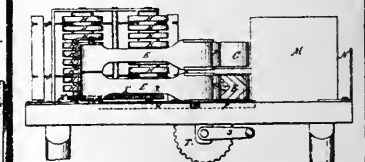
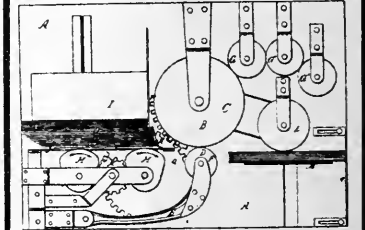
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109,877. S. M. DAVIES.  
LOCOMOTIVE HEAD LIGHT.

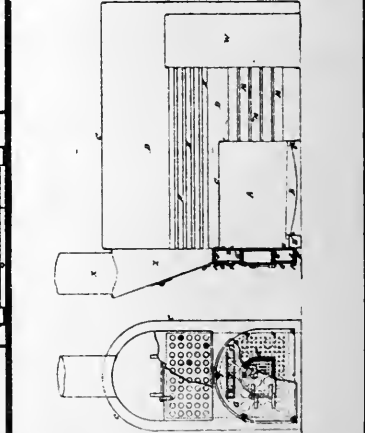
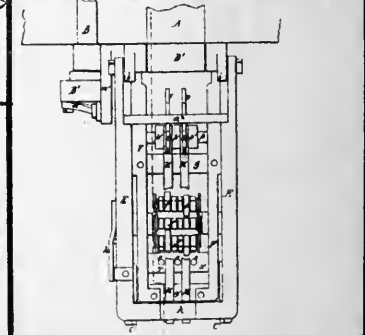
109,878 W. A. DAVIS. ROTARY ENGINE.

109,879. M. DE MONTUFAR.  
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109,880. J. C. DICKEY.

109,881. T. S. DISTON. PROCESS FOR  
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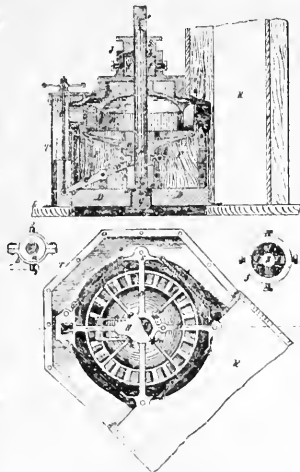
109,883. G. S. DUBOIS. STEAM BOILER.

109,884. J. C. DUCKWORTH. HARNESS  
OPERATING MECHANISM FOR LOOMS

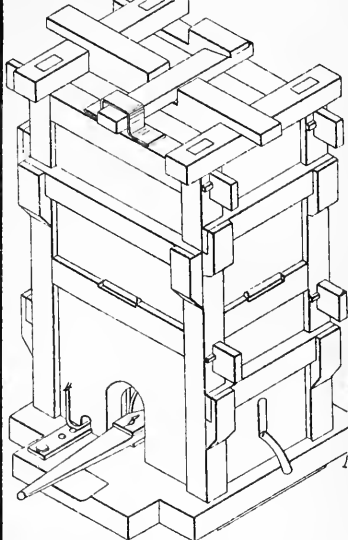
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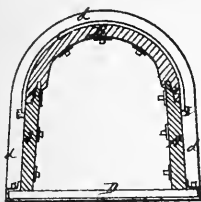
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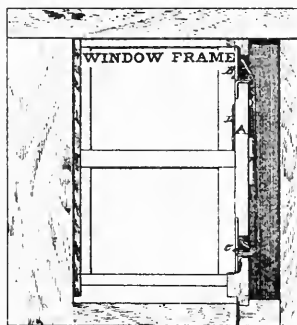
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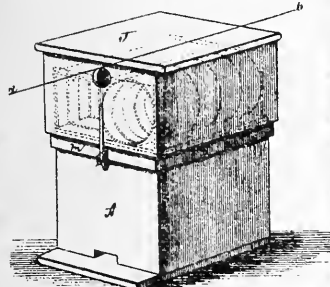
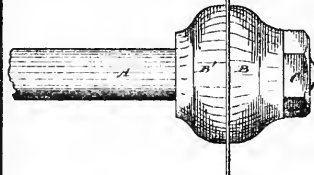
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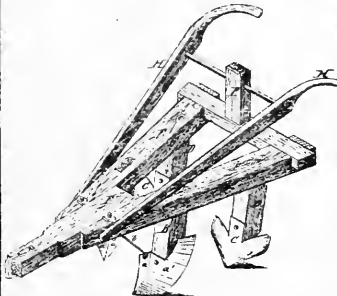
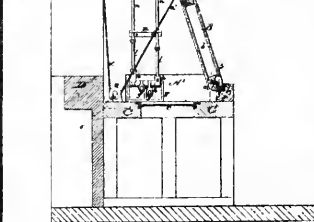
109,892 W. H. GRIFFIN

109,887. C. H. FRINGS  
SACCHARIFYING MASH FOR GRAIN

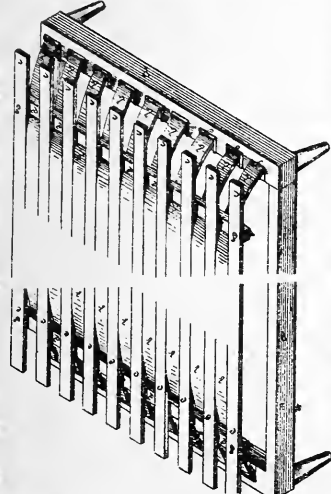
109,888. J. W. GLADDING BEE HIVE

109,898. J. B. HEALD  
COLLAR FOR CIRCULAR SAWS

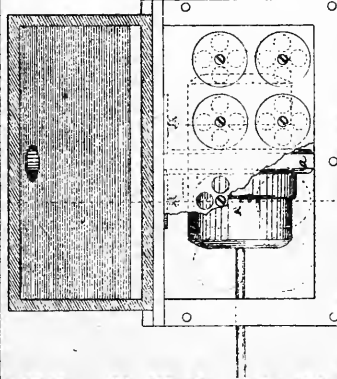
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109,899. G. HEATH  
CANAL LOCK

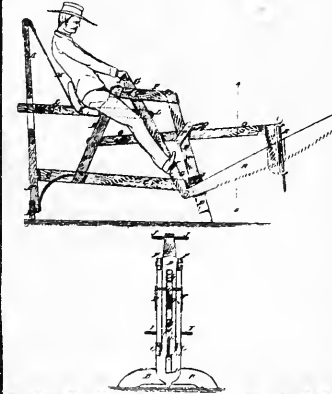
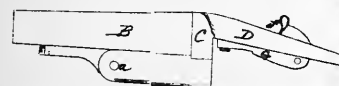
109,889 C. GLENN SPRING BED BOTTOM

109,894. W. HAINSWORTH MOLD  
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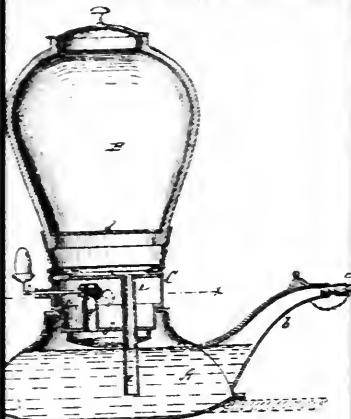
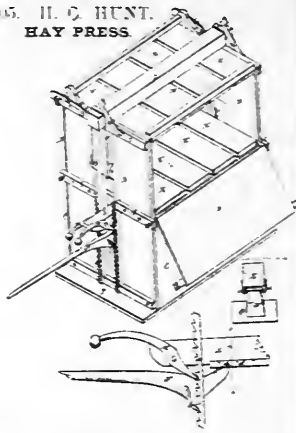
109,896. W. HARTLEY PUMP.



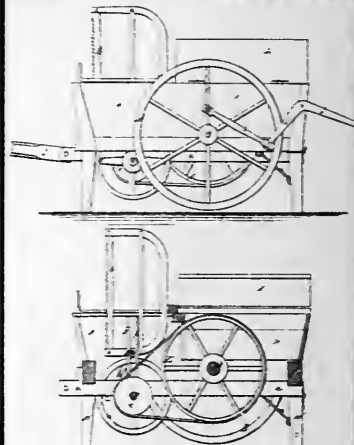
109,900 D. HEIJER SAWING MACHINE.

109,890. C. GREEN.  
BREECH LOADING FIRE ARM

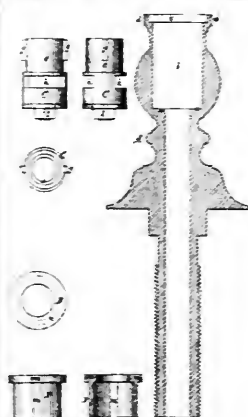
109,801 L. HILDENBRAND COFFEE POT

109,805. H. C. HUNT.  
HAY PRESS

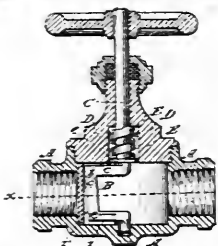
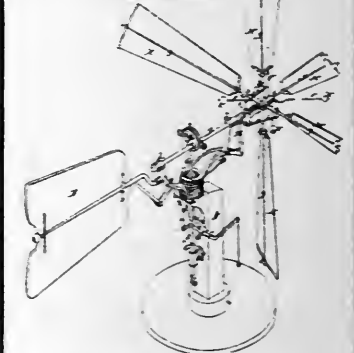
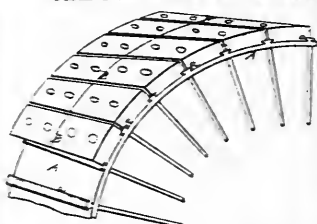
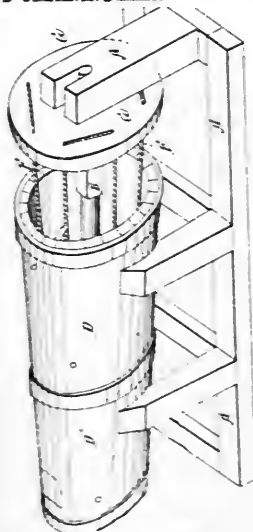
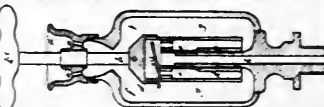
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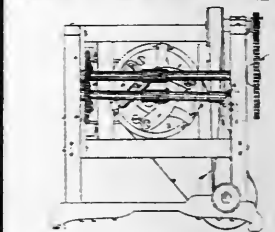
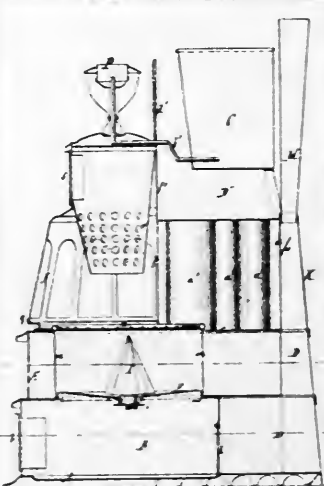
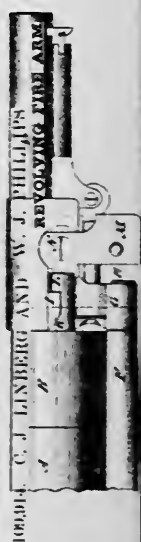
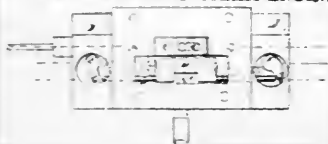
109,802 J. HILLS. FAUCET.



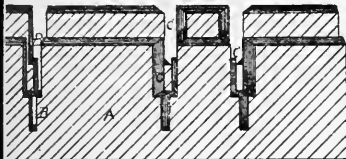
109,806. C. E. HUTSON STOP VALVE.

109,811. J. H. S. AND G. W. KIMBLE  
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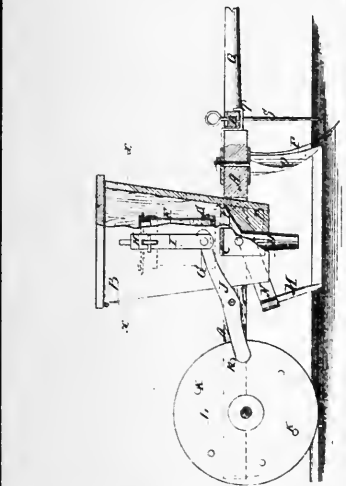
109,812. S. U. KING LATHE.

109,809. J. JAEGER  
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109,915. C. F. LINSKOTT MITER BOX



109,916. S. D. LUCAS. COMBINED HAND SEED DRILL AND CULTIVATOR.



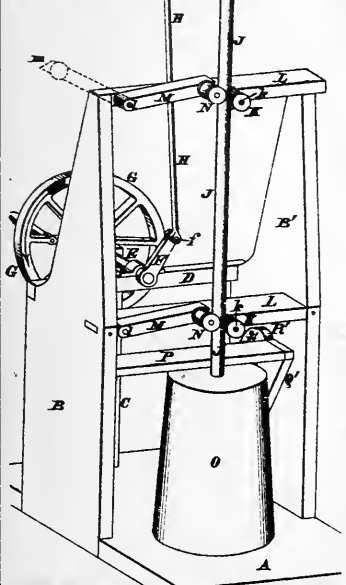
109,917. E. LUDDE. PUTTING UP POMATUM



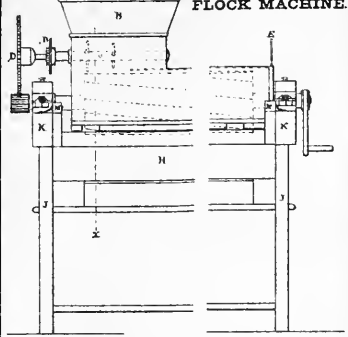
109,918J. H. MALLORY IRONING TABLE



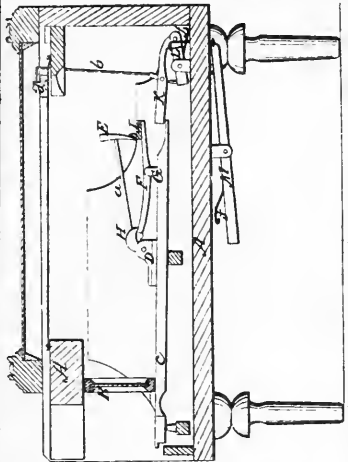
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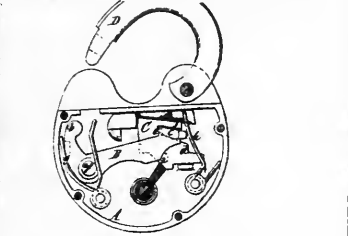
109,920. W. McALLISTER FLOCK MACHINE.



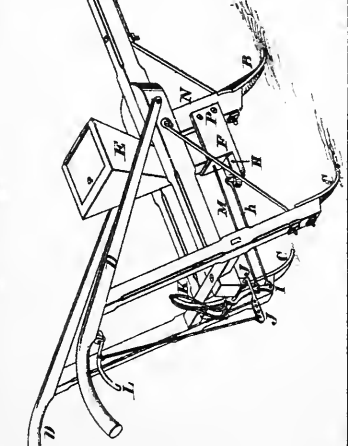
109,921F. B. MCGREGOR PIANO ACTION.



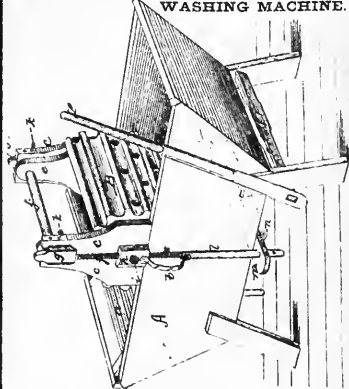
109,922. W. McINTYRE. PADLOCK.



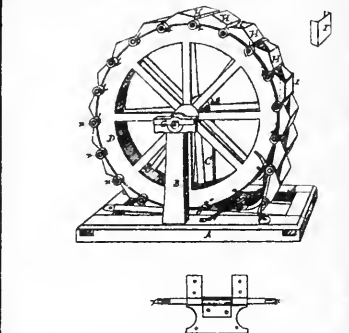
109,923. N. MENDENHALL. CORN PLANTER.



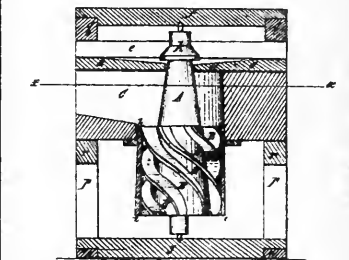
109,924. S. S. MIDDLEKAUFF WASHING MACHINE.



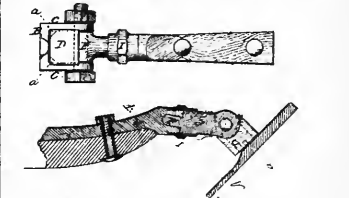
109,925. M. MILLARD WATER WHEEL.



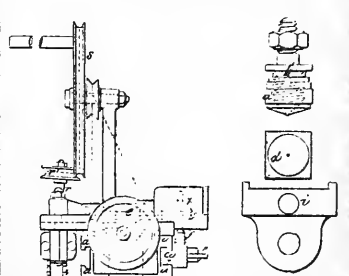
109,926. R. MONROE TURBINE WATER WHEEL.



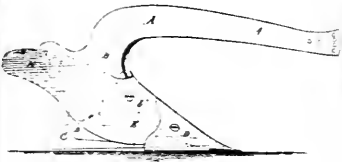
109,927. F. B. MORSE THILL COUPLING



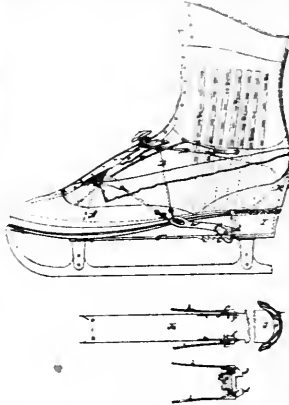
109,928. J. L. NORTON APPARATUS FOR DRESSING AND FURROWING MILLSTONES



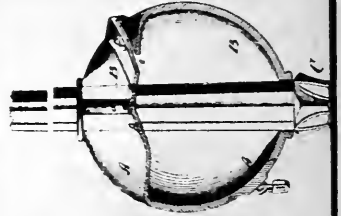


109,929. J. K. ODELL AND  
W. S. LITTLECAST IRON PLOW.

109,935. A. C. PLATT. SKATE.



109,939. A. POTTS. LETTER BOX.



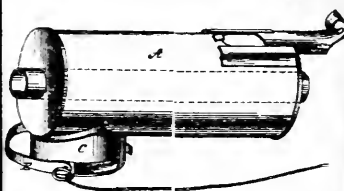
109,930. T. ORCHARD. COUPLING FOR EARTH BORING AUGERS.



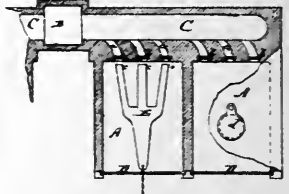
109,931. W. I. PAGE. METALLIC CARTRIDGE.



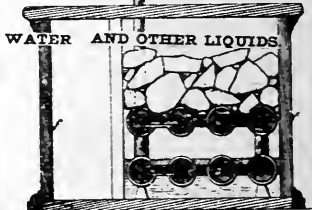
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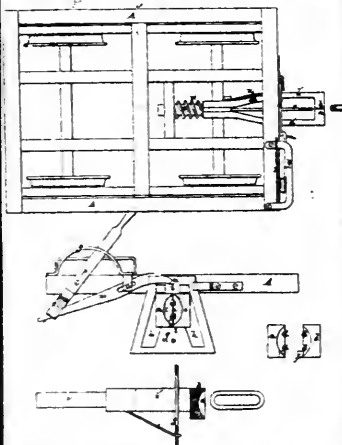
109,940. T. PRICE. COKE FURNACE.



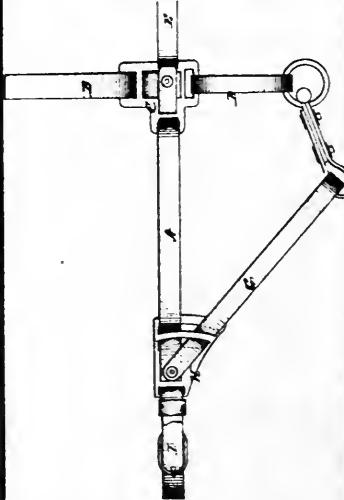
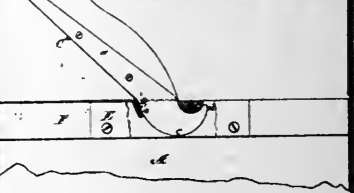
109,941. F. PUETZ. BUCKLE.

109,942. A. D. PUFFER.  
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109,932. J. R. PALMER. CAR COUPLING.



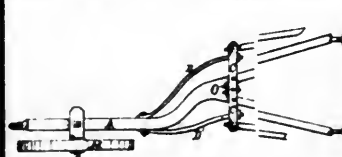
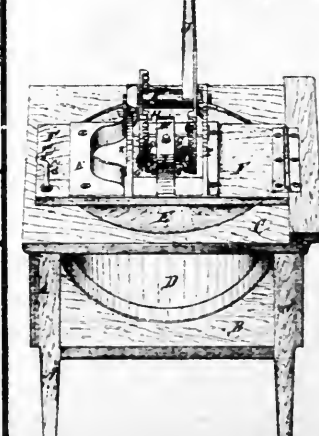
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109,943. J. C. RANKIN.  
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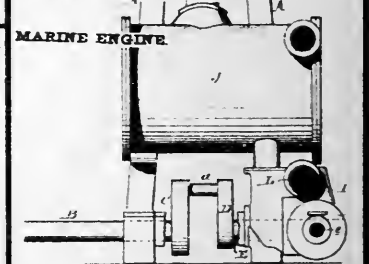
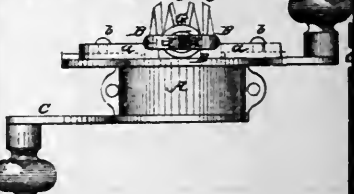
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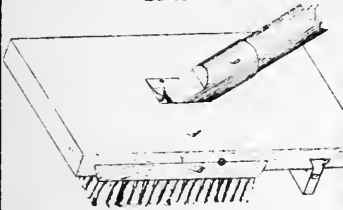
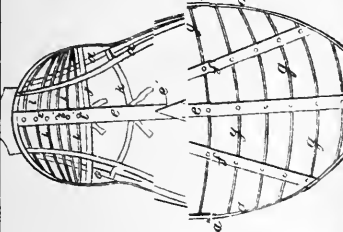
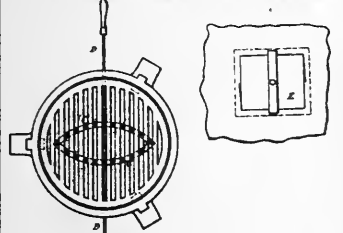
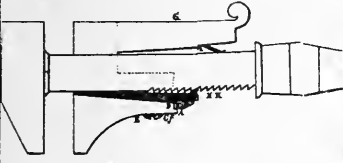
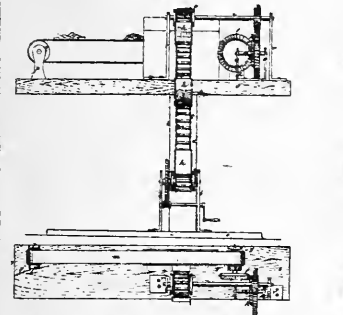
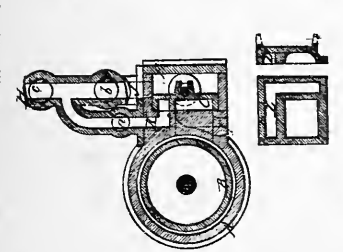
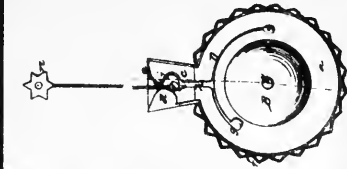
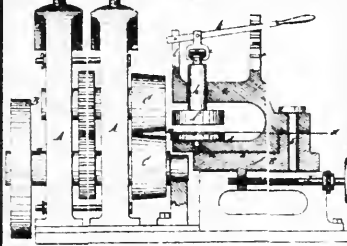


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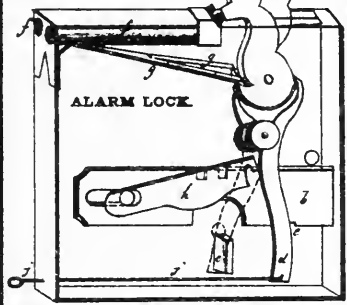
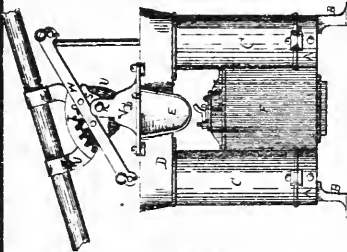
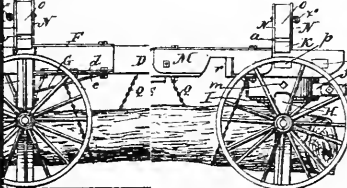
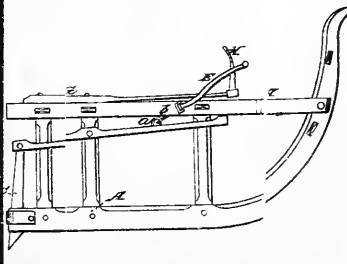
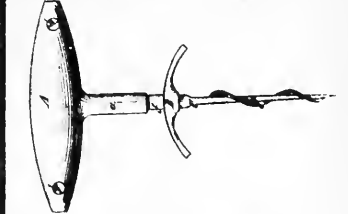
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109,944. W. B. REANEY.

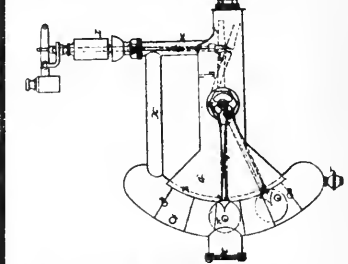
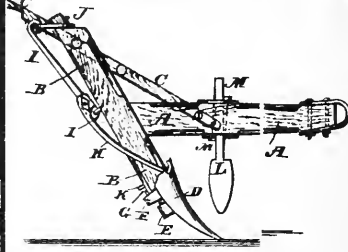
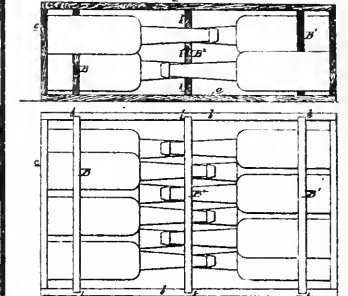
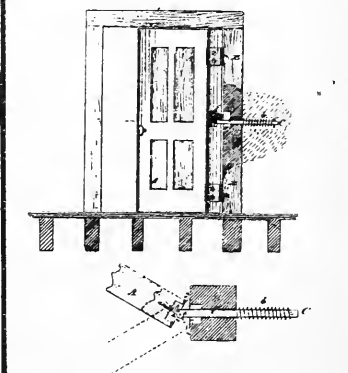
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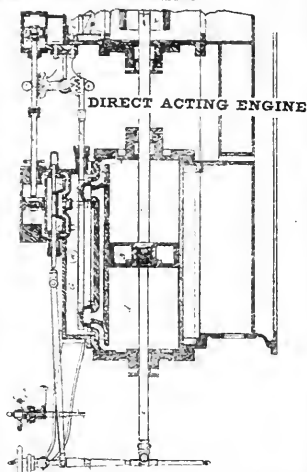
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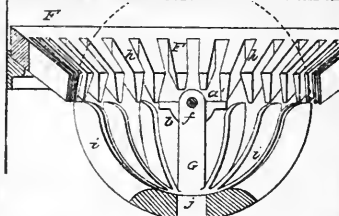
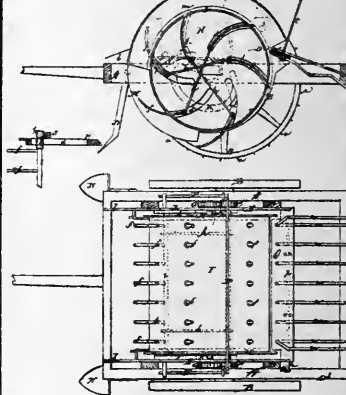
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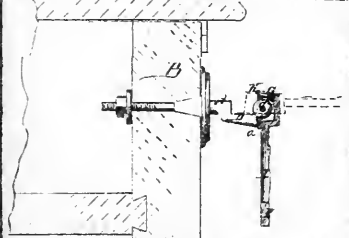


109,968. J. M. THATCHER STOVE GRATE

109,973. J. VAN ANTWERP  
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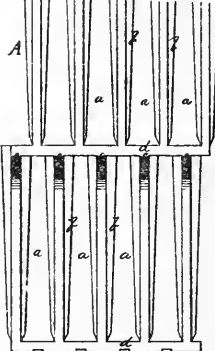
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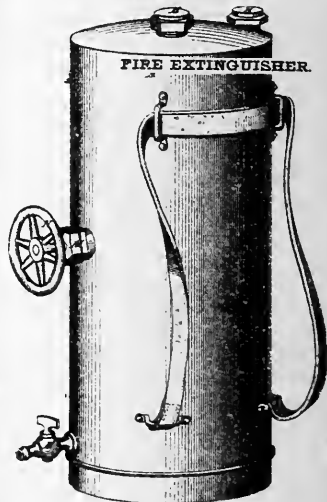
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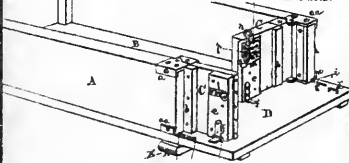


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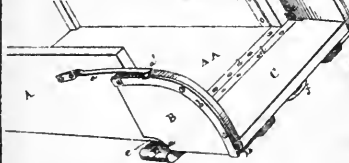
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109,965. R. F. STOCKING AND  
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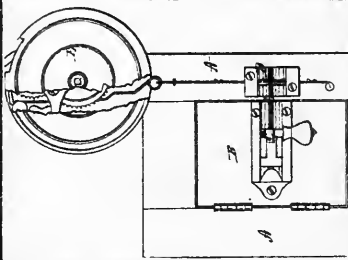
END GATE FOR WAGONS.

109,966. R. F. STOCKING AND  
C. P. GREENE

END GATE FOR WAGONS.

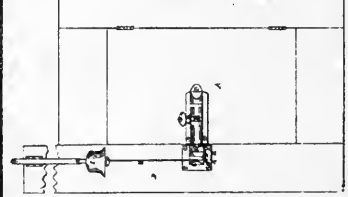


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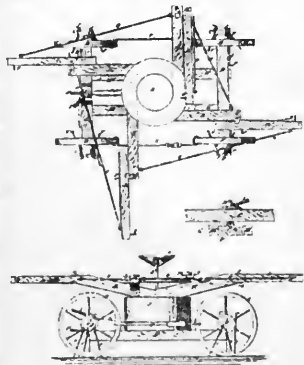
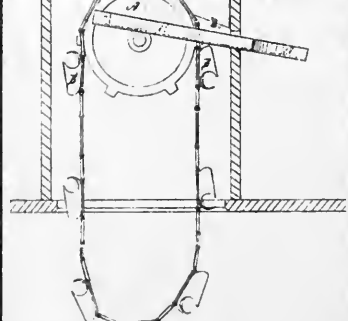


109,971. J. H. THORP.

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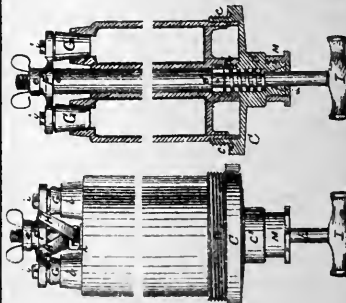
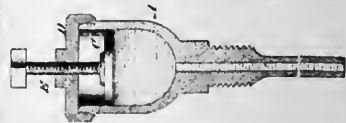


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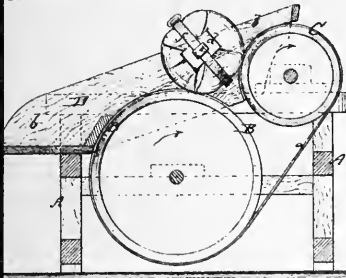
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109,976. J. B. VAN DYKE

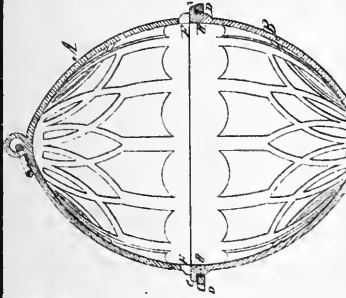
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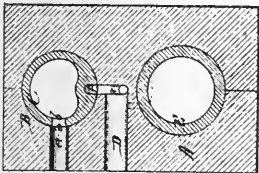
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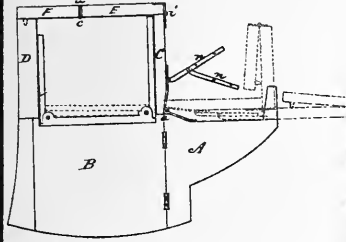
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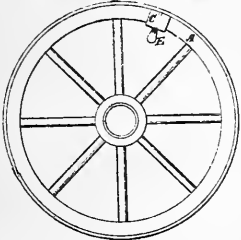
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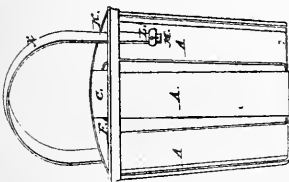
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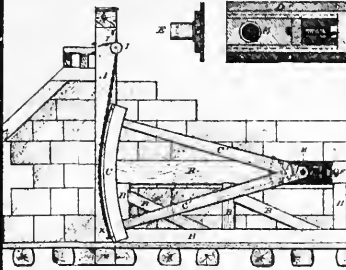
109,982. A. O. WHEELER.  
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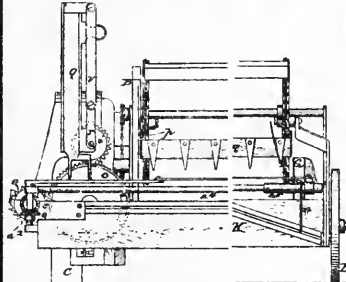
109,983. G. H. WHITE FRUIT BASKET.



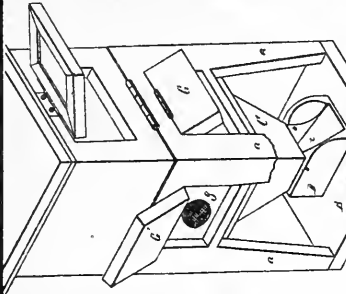
109,984. A. J. WHITNEY CANAL  
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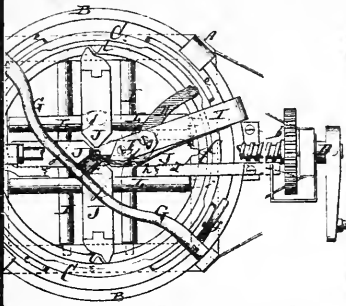
109,985. J. H. WHITNEY COMBINED  
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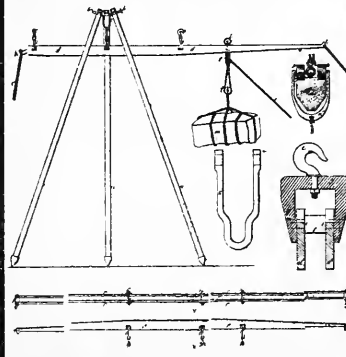
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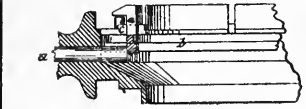
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109,988. N. WONLARSKY  
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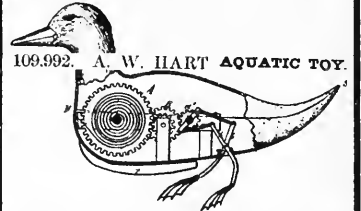


109,989. A. A. WOOD. WATCH CASE.



109,990. W. ZINSSER. COMPOUND  
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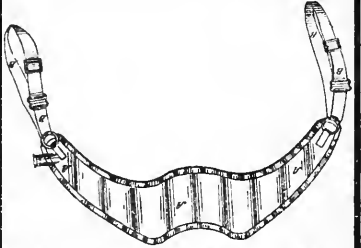
109,991. C. DELAMAR.  
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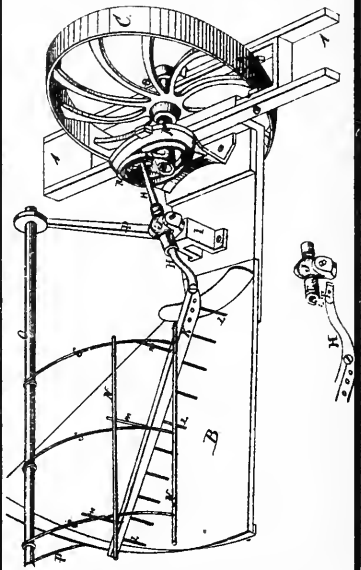
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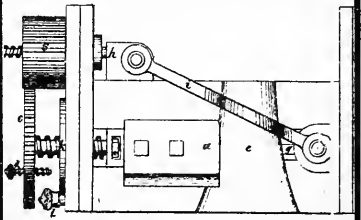
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4,194. H. H. SCOVILLE.  
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4,195. N. L. TOMLINSON TREENAIL.



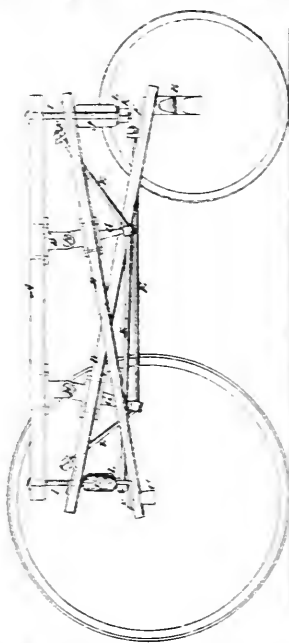
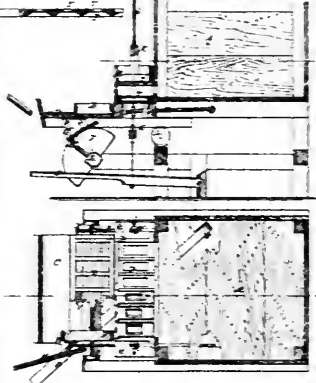
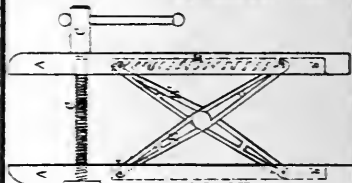
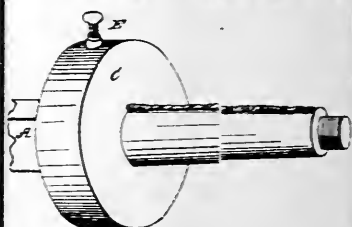
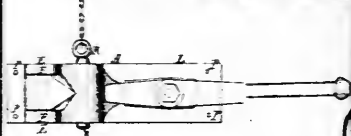
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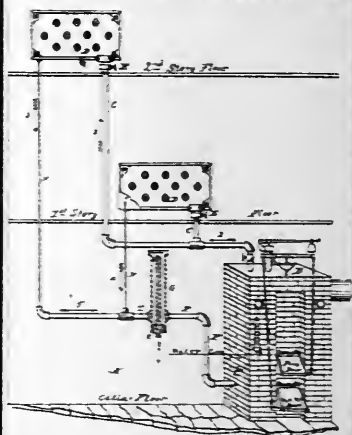
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DECEMBER 13, 1870.

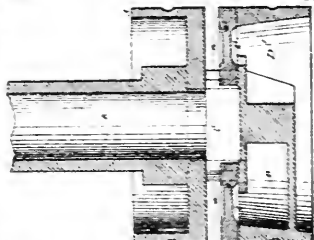
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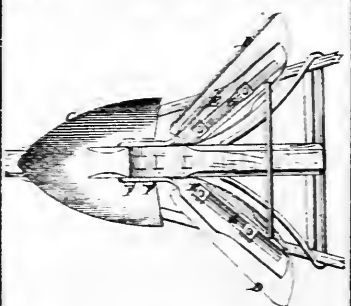
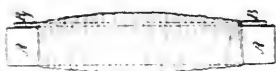
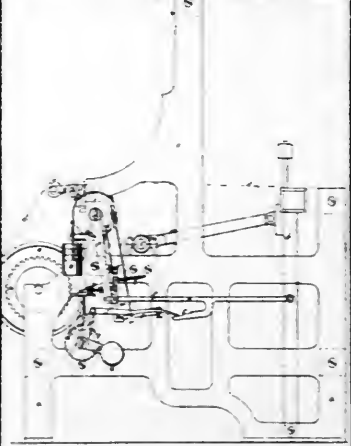
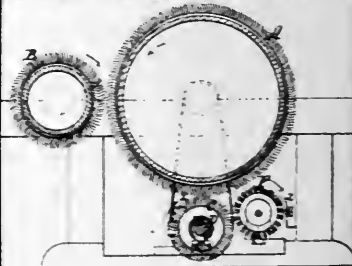
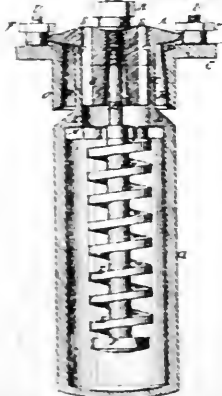
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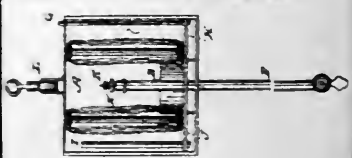
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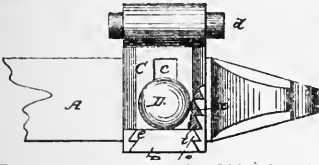
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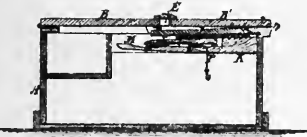
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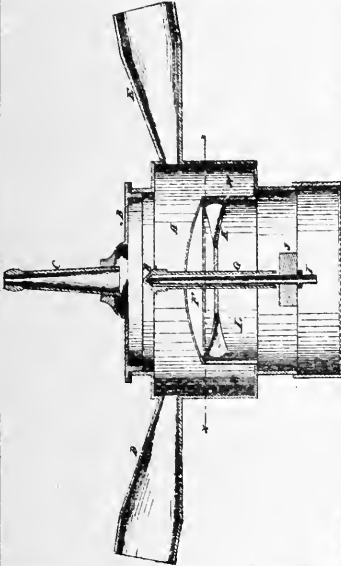


110,006. J. BULLARD ADJUSTABLE  
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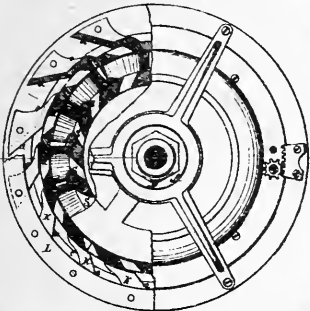
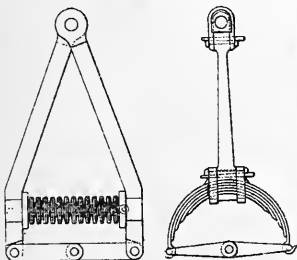
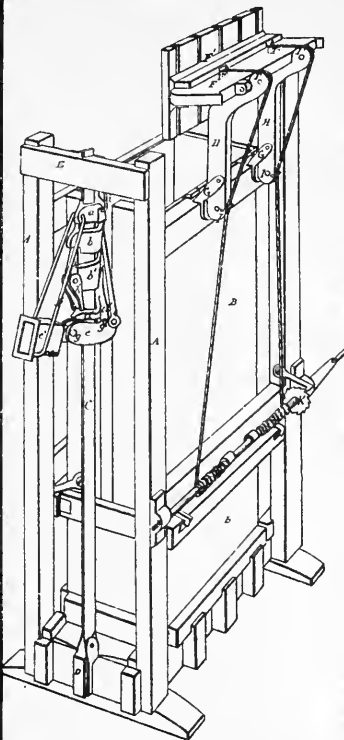
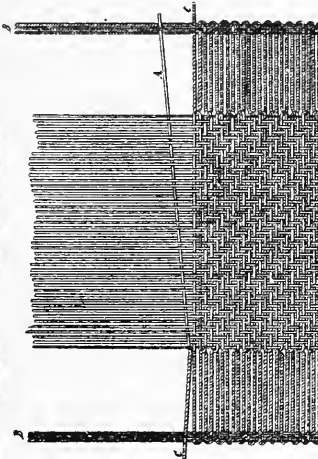
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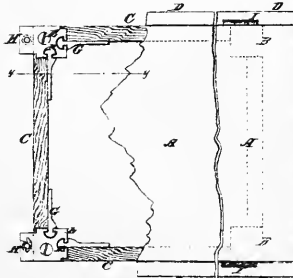
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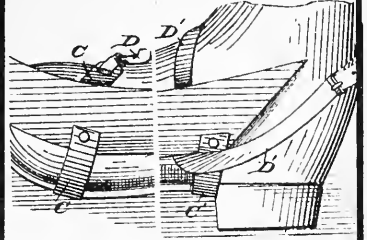
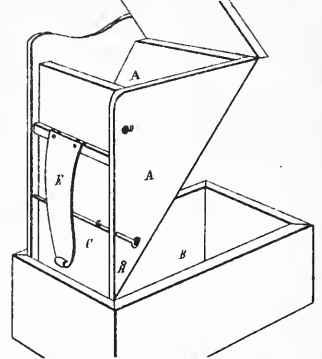
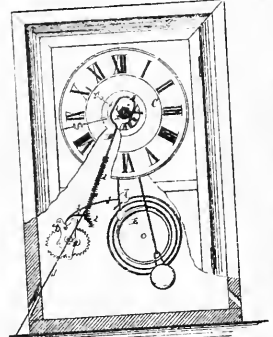
110,009. D. W. CASE WATER WHEEL.

110,010. G. F. CASE  
STAMPING MILL OR CRUSHER.110,011. N. CHAPMAN  
HAY AND COTTON PRESS.110,012. P. COCKER  
WOVEN FRINGED FABRICS.

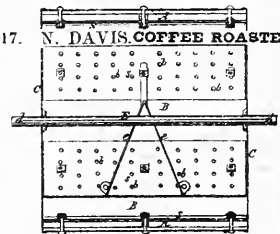
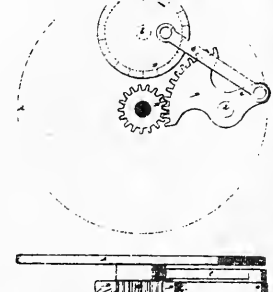
110,013. G. J. CONGLE TABLE.



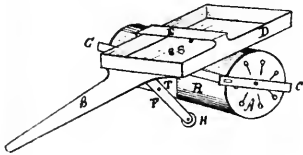
110,014. H. V. CORBETT CORN CUTTER

110,015. W. T. H. DANIELS  
FEED REGULATOR.110,016 J. H. DAVIS  
ALARM ATTACHMENT FOR CLOCKS.

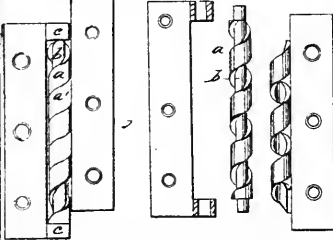
110,017. N. DAVIS COFFEE ROASTER.

110,018. F. O. DEGENER. INKING  
APPARATUS FOR PRINTING PRESSES

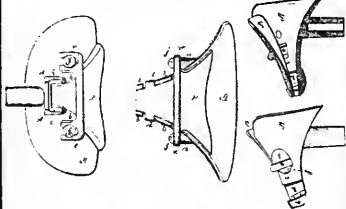
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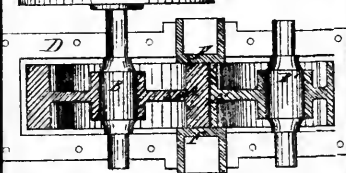
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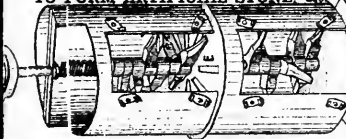
110,021. G. DRAPER. TRUMPET FOR SPINNING MACHINES.



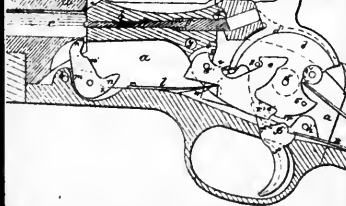
110,022 R. DUDGEON ROTARY ENGINE.



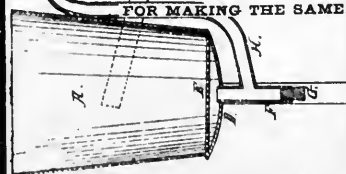
110,023. J. S. ELLIOT MACHINE FOR MIXING THE MATERIALS TO FORM ARTIFICIAL STONE, &amp;c.



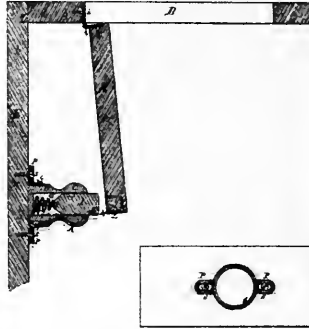
110,024. W. H. ELLIOT BREECH LOADING FIRE ARM.



110,025. P. FAURNEY. MEDICAL COMPOUNDS AND APPARATUS FOR MAKING THE SAME.



110,026. W. H. FAIRNEY DOOR STOP



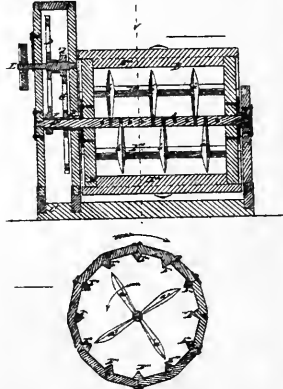
110,027. F. W. GERDES. MANUFACTURE OF PAINTS



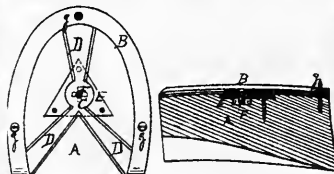
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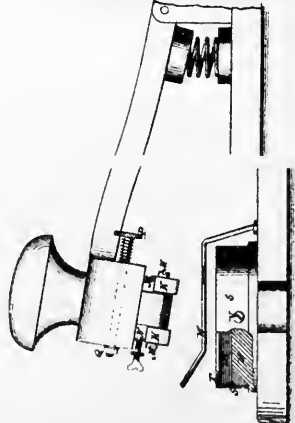
110,029. W. T. GILLINDER. MACHINE FOR MIXING BATCH FOR GLASS.



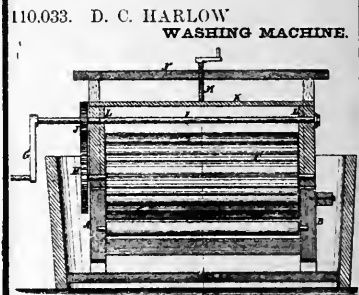
110,030. B. GIROUX. MODE OF ATTACHING BOOT AND SHOE HEELS.



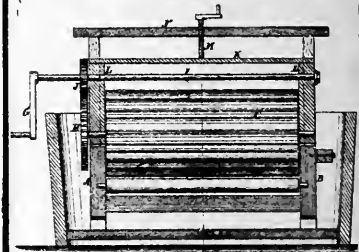
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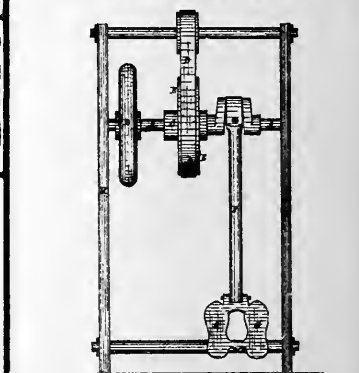
110,032. J. GORMANTYMPAN SHEET FOR PRINTING PRESSES



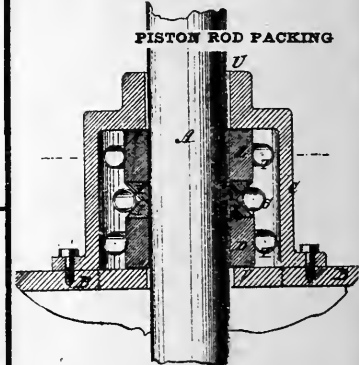
110,033. D. C. HARLOW WASHING MACHINE.



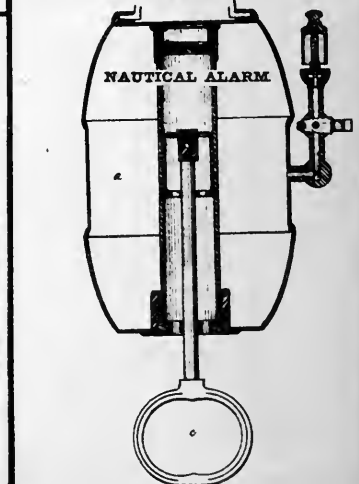
110,034. A. W. HARRIS. DEVICE FOR DRIVING SEWING MACHINES.



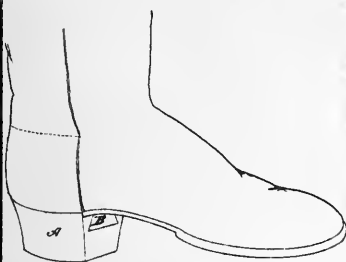
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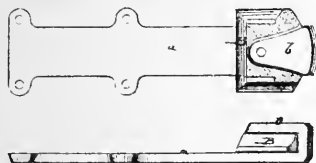
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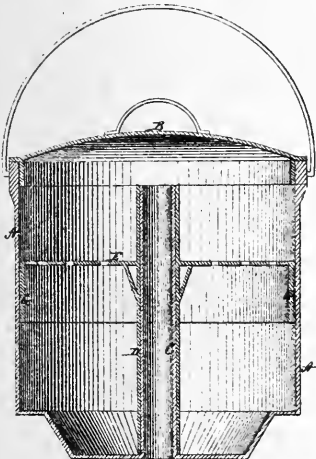
110.037. C. H. HELMS.  
MODE OF ATTACHING COMPOSITION  
HEELS TO BOOTS AND SHOES.



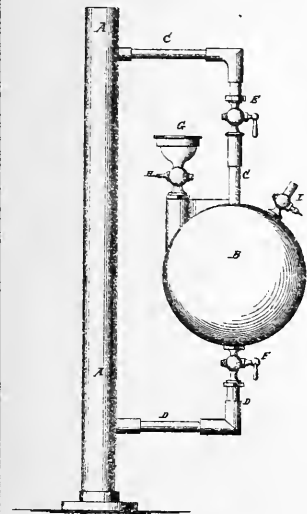
110.038. J. HERALD  
CORE FOR CASTINGS.



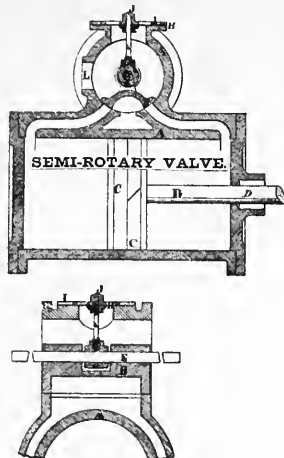
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CULINARY VESSEL.



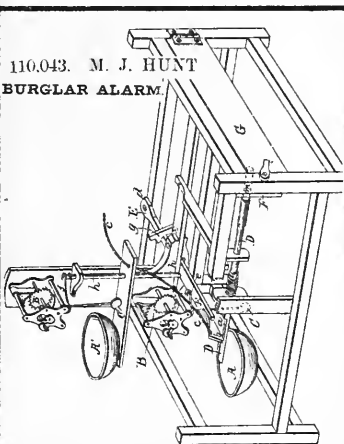
110.040. M. HINMAN LUBRICATOR.



110.041. J. F. HOLLOWAY



110.042. D. HULL. REFINING AND  
DECOLORIZING SIRUP AND  
OTHER LIQUIDS, AND MATERIAL FOR  
THE SAME.

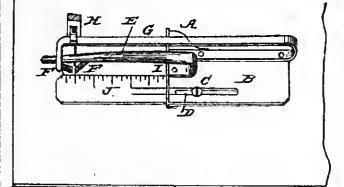


110.043. M. J. HUNT  
BURGLAR ALARM.

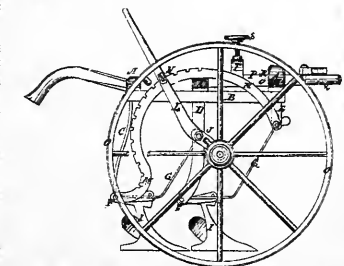
110.044. R. C. HUSSEY  
STEAM JET BOILER TUBE CLEANER.



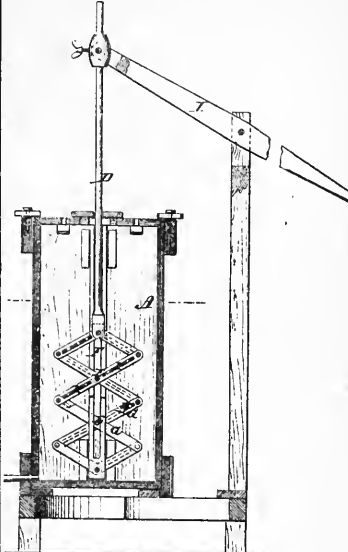
110.045. J. C. JENSENTUCK CREASING  
ATTACHMENT FOR SEWING MACHINES



110.046. F. C. JEWELL. CULTIVATOR.

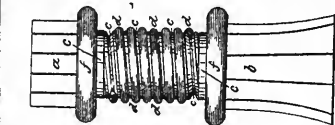


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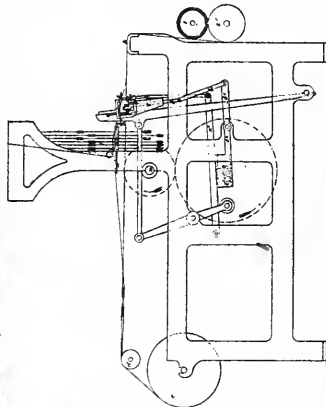


110.048. J. KIRCHER PRINTING INK.

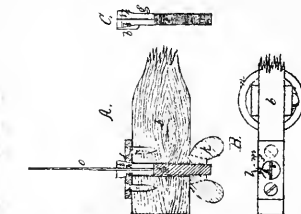
110.049. C. L. KNECHT GLASSWARE  
AND METAL STEM CONNECTION.



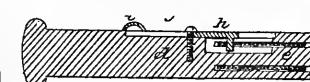
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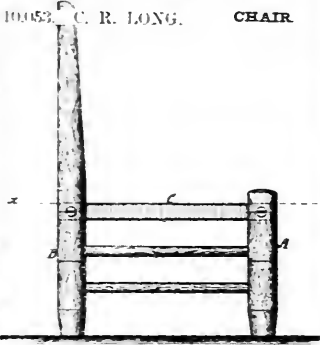
110.051. T. L. EVERITT BUHL SAW.



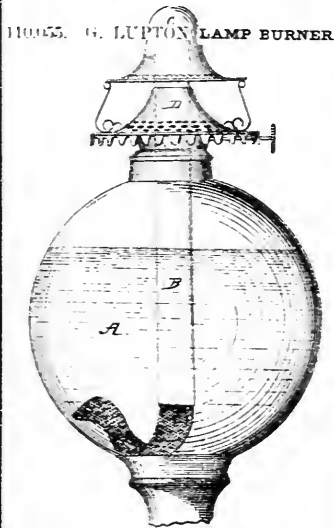
110.052  
J. LOGAN AND D. W. ELDRIDGE  
CARTRIDGE CAP EXTRACTOR



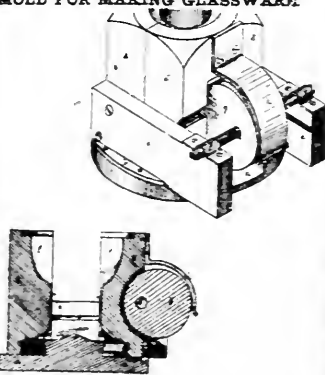
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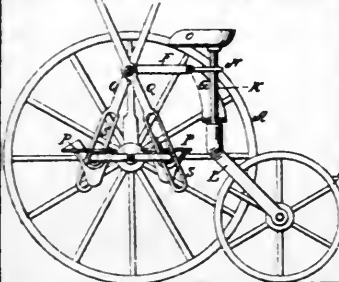
110,054. G. LUPTON. PURIFYING BENZINE.



110,055. J. B. LYON. MOLD FOR MAKING GLASSWARE.

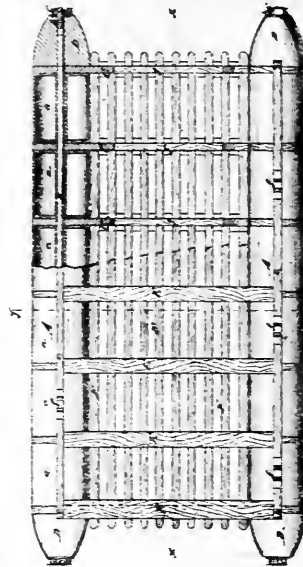


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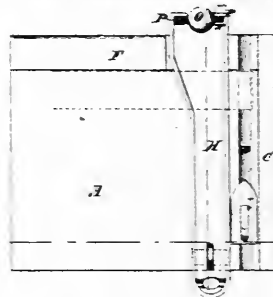


110,058. A. C. MAXFIELD. HAIR RESTORATIVE.

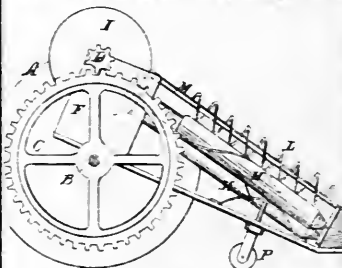
110,059. D. McFARLAND LIFE RAFT.



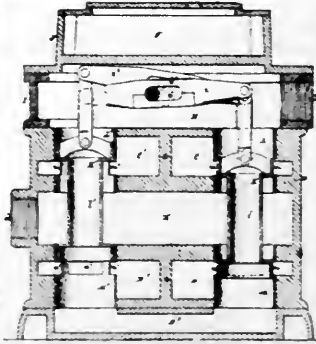
110,060. J. C. McLAREN. BELT SPlice POINT FINISHER.



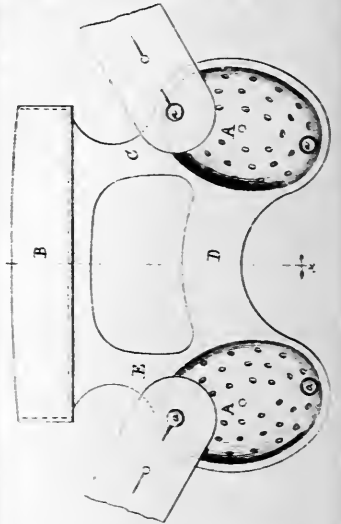
110,061. G. AND C. MEADER FIELD. CORN PICKING AND HUSKING MACHINE.



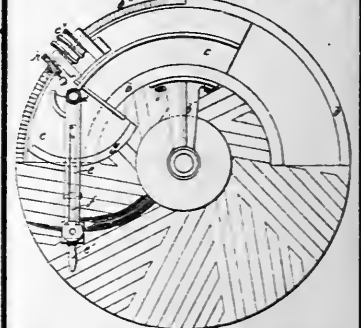
110,062. C. MOORE. LIQUID METER.

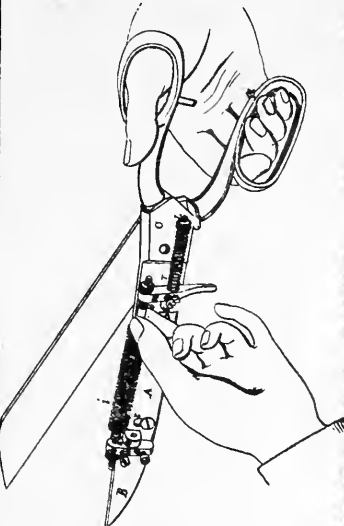


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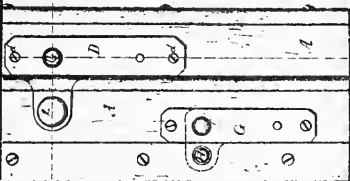


110,064. J. L. NORTON. APPARATUS FOR DRESSING AND FURROWING MILLSTONES.

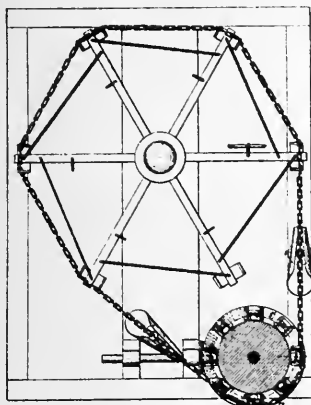


110.068. C. PHELPS  
ELASTIC MANE TURNER110.073. A. G. RISLEY DEVICE FOR  
TRIMMING CYLINDRICAL BRUSHES.

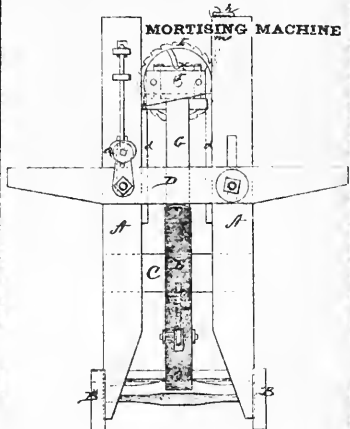
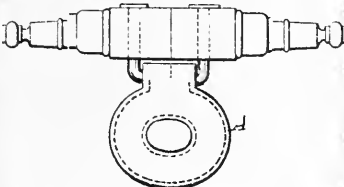
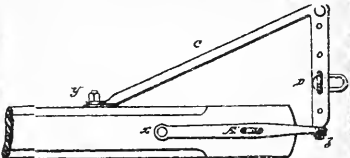
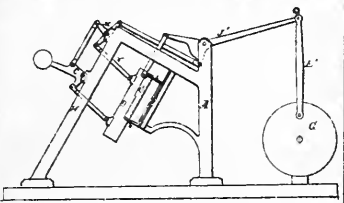
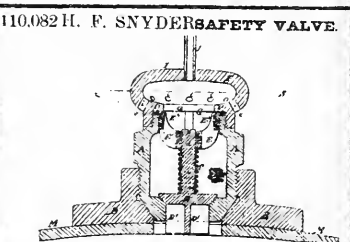
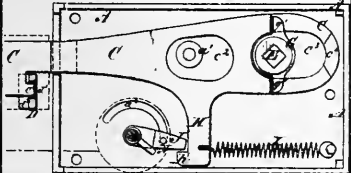
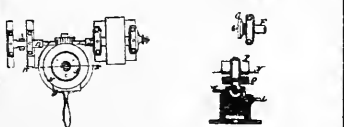
110.078 C. SHOLL SASH LOCK.



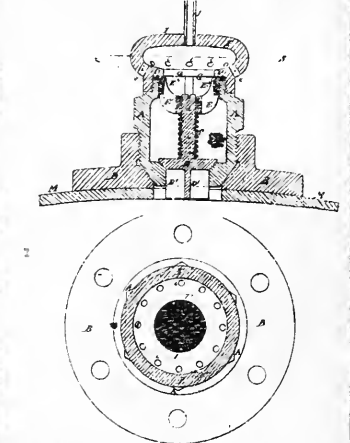
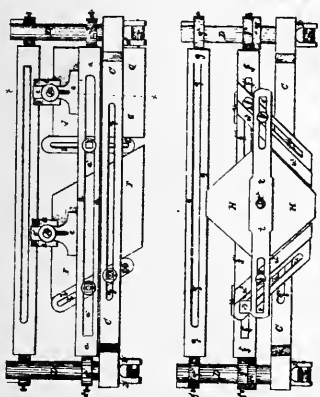
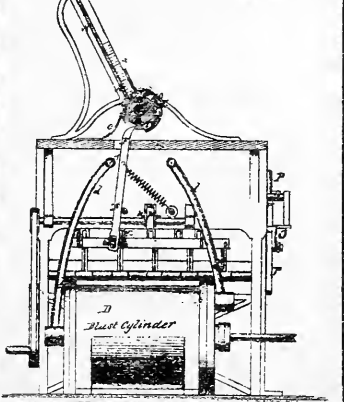
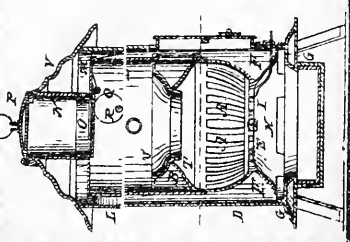
110.069. H. PITCHER CHAIN CLUTCH.



110.079. W. H. SIBLE

110.074. M. SANDERS LEATHER  
FOR NECK YOKE FOR CARRIAGES.110.080. H. C. SIEVERLING  
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CORK MACHINE

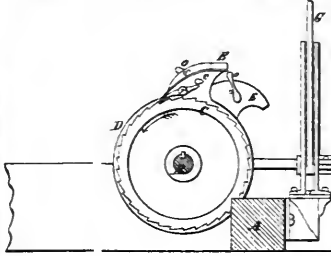
110.082 H. F. SNYDER SAFETY VALVE.

110.072. P. C. RENIERS  
BASKET FOR TILE GRINDERS.110.077. W. S. SHIPLEY  
TYPE SETTING MACHINE110.083 I. SNYDER AND P. C. GARRETT  
BASE BURNING STOVE

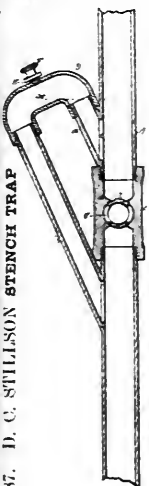
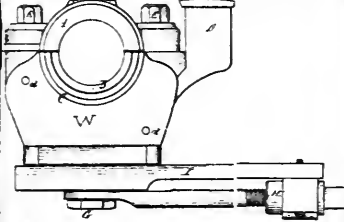


110,084. P. SPENCE. MANUFACTURE  
OF ALUM AND FERTILIZER FROM  
MINERAL PHOSPHATES.

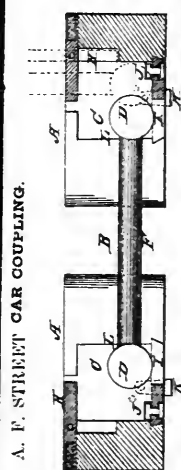
110,085. F. J. STALEY.  
HEAD BLOCK FOR SAW MILLS.



110,086. E. H. STEARNS. JOURNAL BOX.

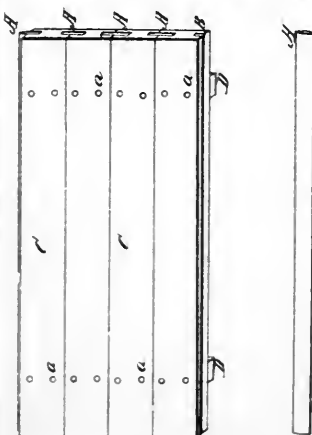


110,087. D. C. STILLSON. STRETCH TRAP.

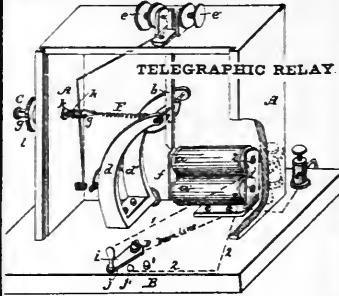


110,088. A. F. STREET. CAR COUPLING.

110,089. J. A. THOMPSON.  
METHOD OF UNITING WOOD.

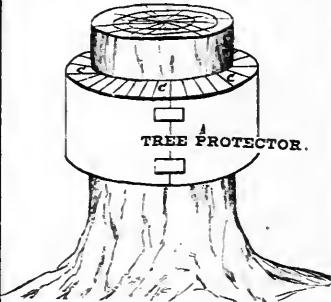


110,090. B. B. TOYE.



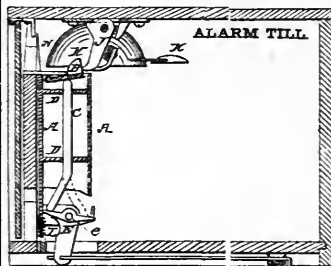
TELEGRAPHIC RELAY.

110,091. C. H. TRUMBULL.



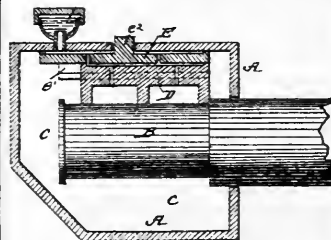
TREE PROTECTOR.

110,092. C. AND W. H. TUCKER.

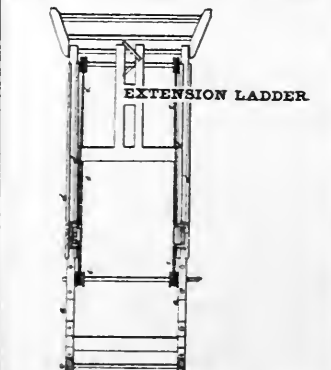


ALARM TILL.

110,093. J. WARDROBE, C. D. R. FISK,  
J. F. CURTIS, AND G. FETLEY.  
RAILWAY AXLE BOX.

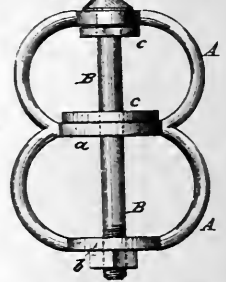


110,094. T. WATSON AND C. PERRY.

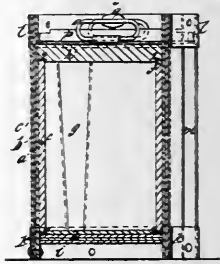


EXTENSION LADDER.

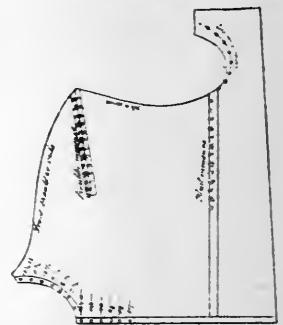
110,095. D. WERST.  
DOUBLE TREE FASTENER.



110,096. J. W. WESTON. BARREL.



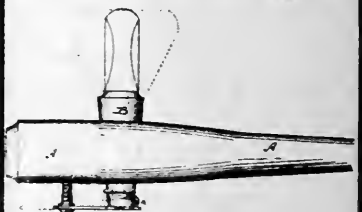
110,097. F. WETMORE.  
PATTERN FOR MEASURING AND  
LAYING-OUT GARMENTS.



110,098. L. H. WHITNEY.  
ROLLER SHAFT FOR WRINGERS.

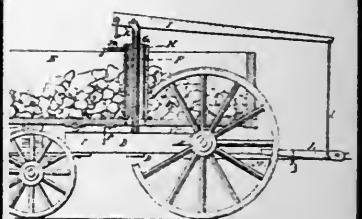


110,099. F. WIESENHOFFER. FAUCET.

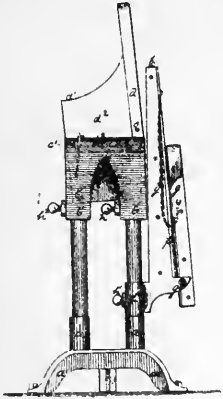
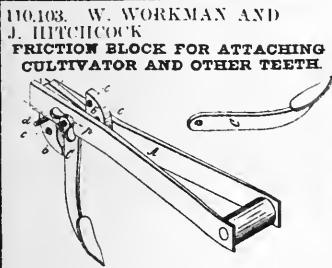


110,100. G. A. WILCOX.

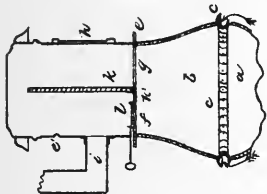
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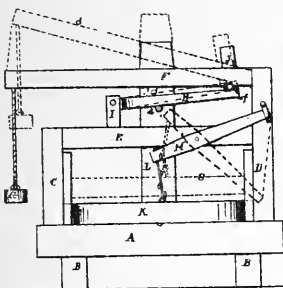
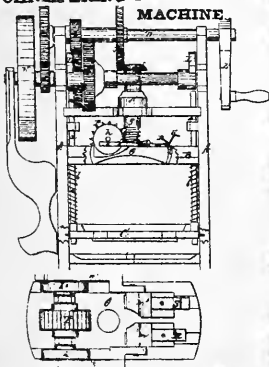
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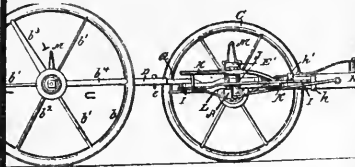
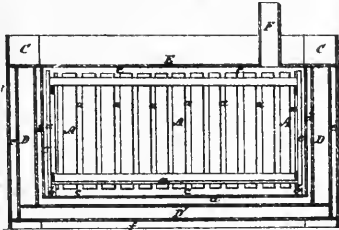
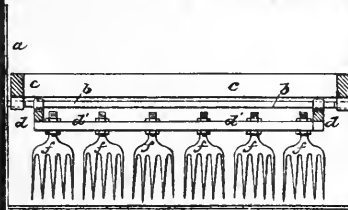
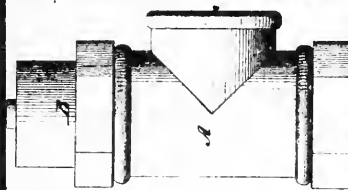
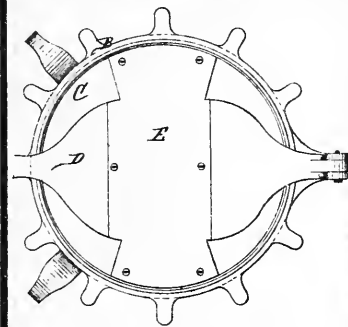
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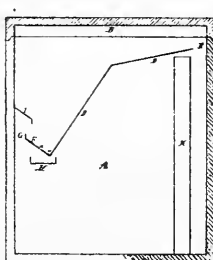
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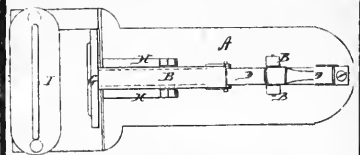
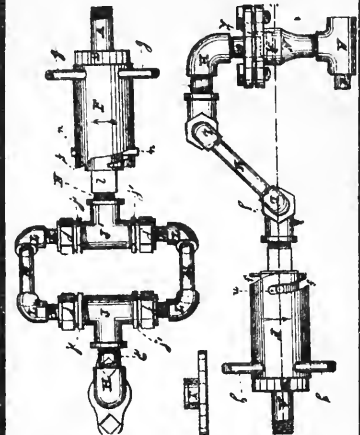
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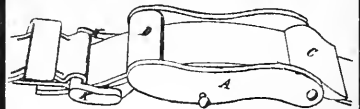
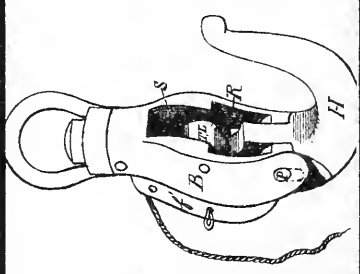
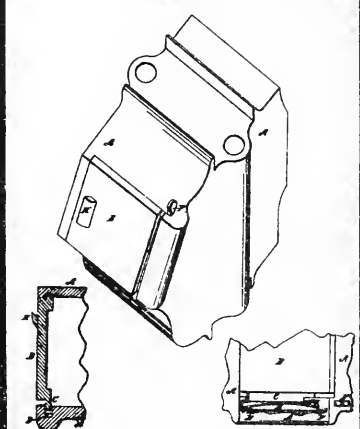
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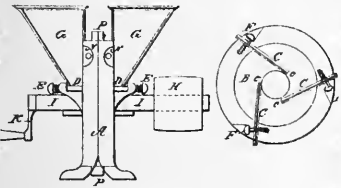
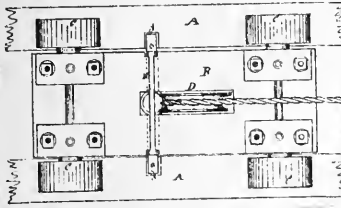
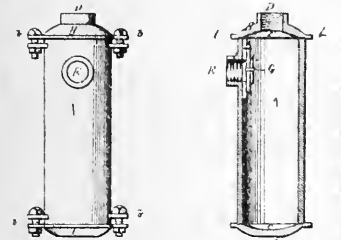
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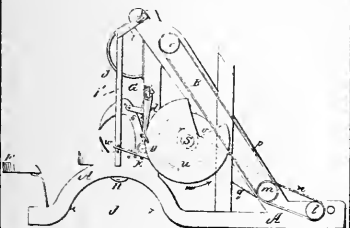
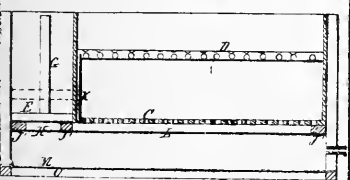
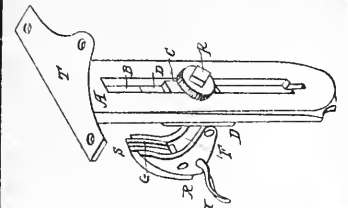
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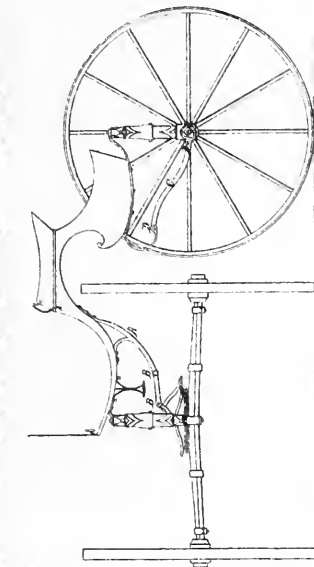


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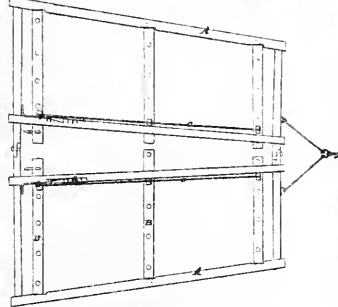
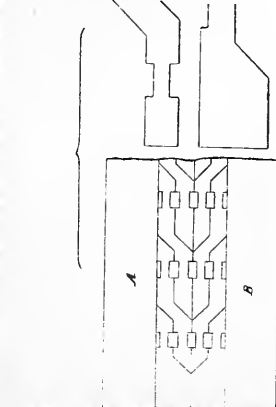
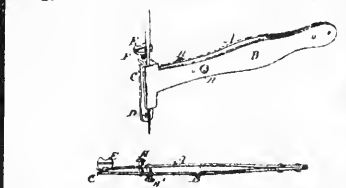
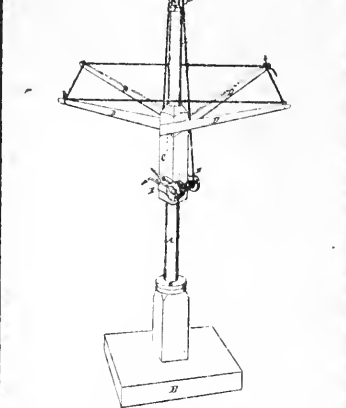
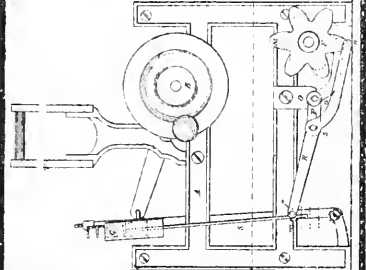
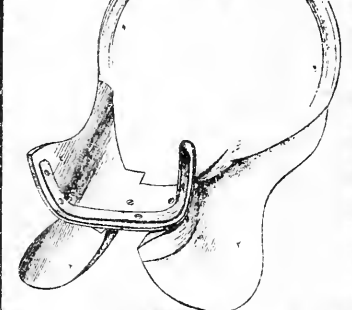
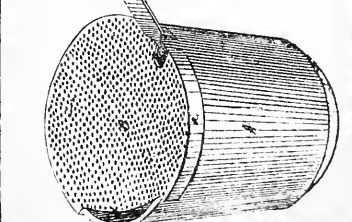
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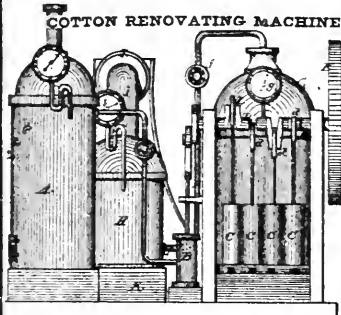
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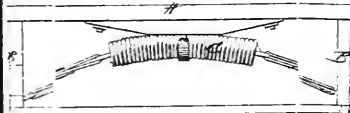
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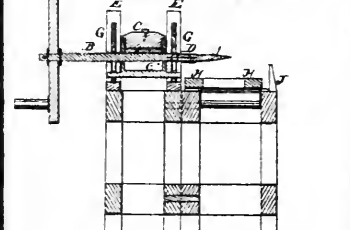
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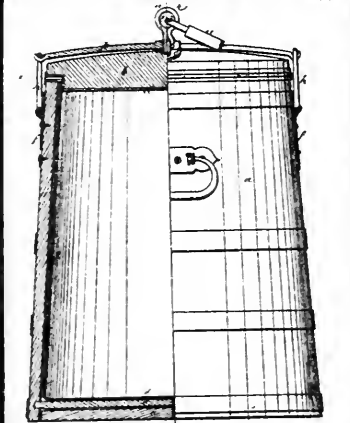
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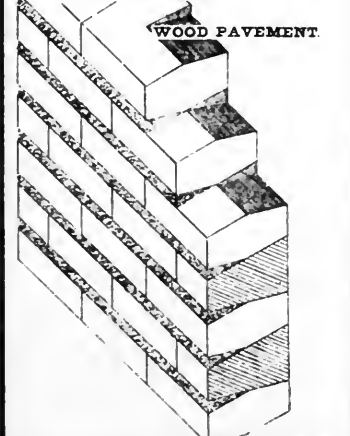
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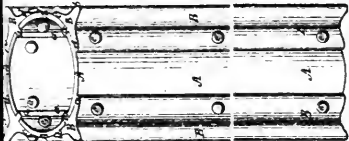
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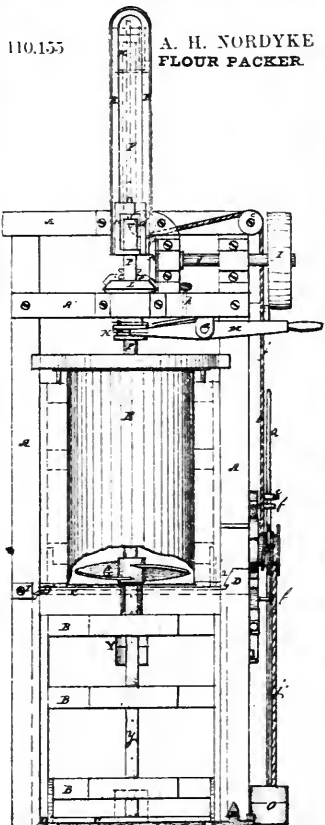
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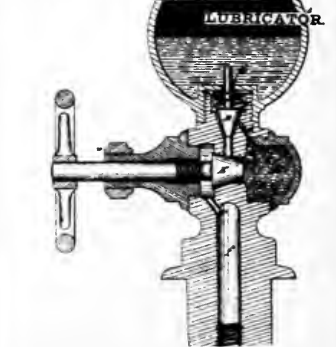
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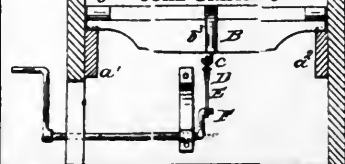
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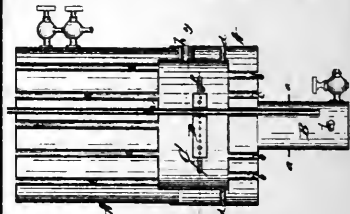
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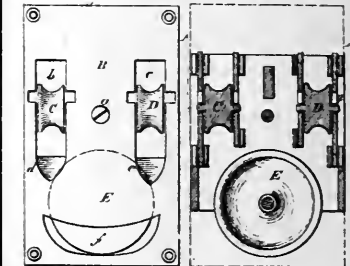
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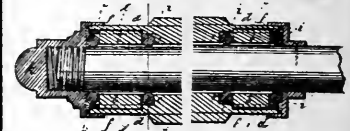
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110,159. C. R. RAND SASH BALANCE.



110,160. W. O. REID.



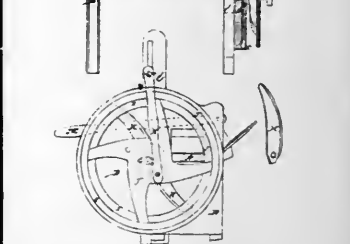
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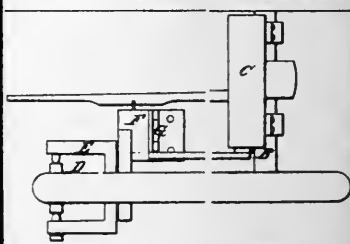
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110,163. J. SCHIEDER MATERIAL FOR



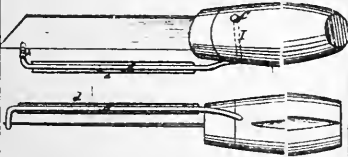
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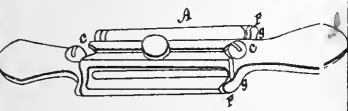
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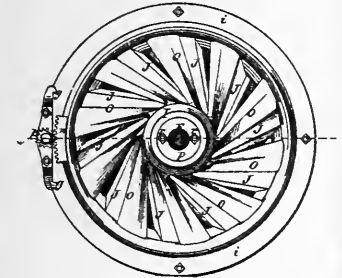


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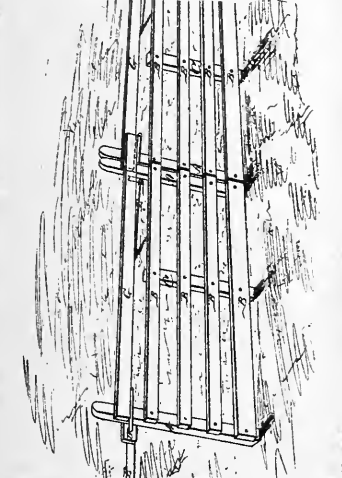
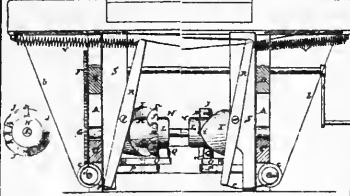
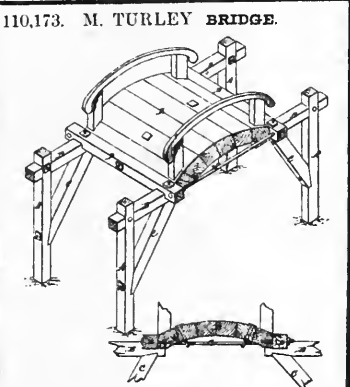
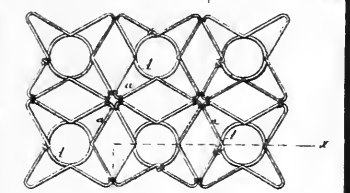
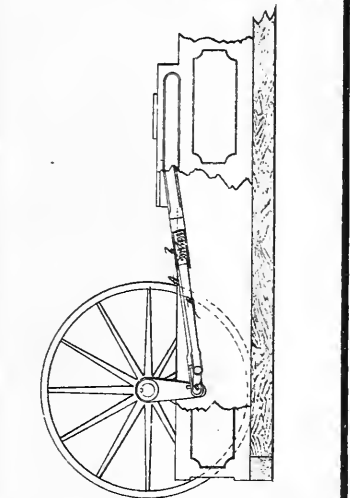
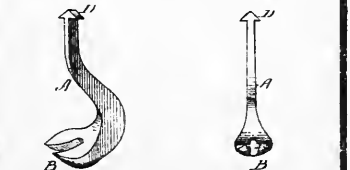
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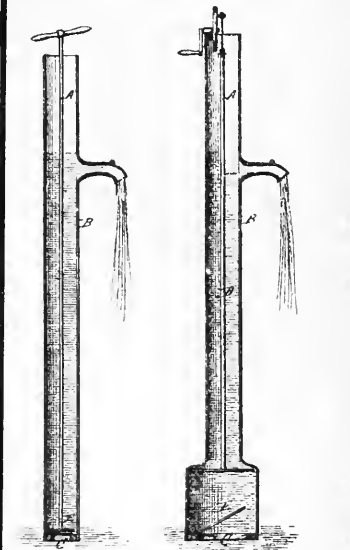
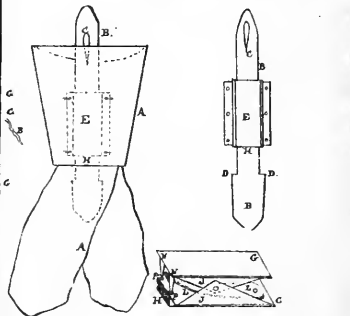
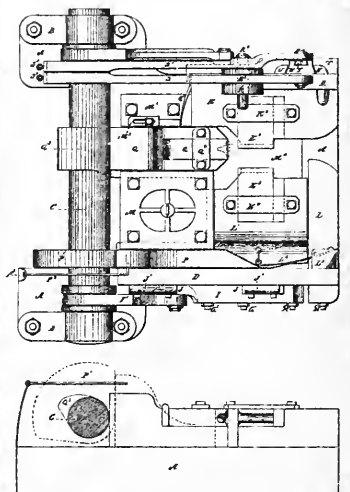
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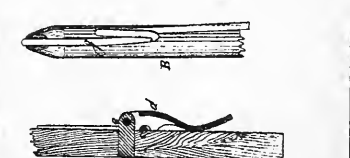
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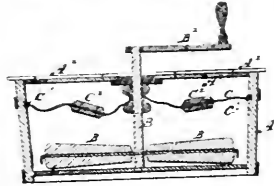
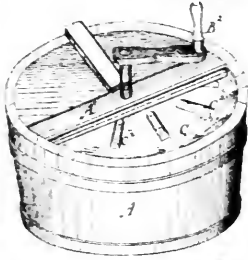
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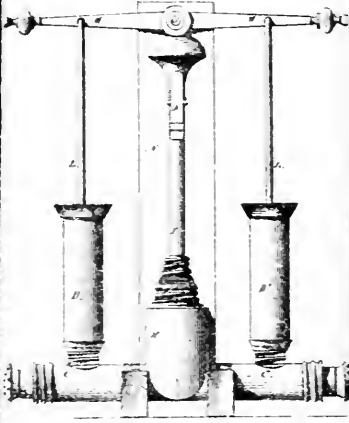
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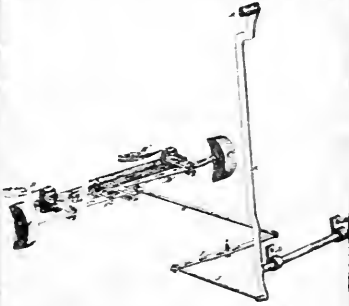
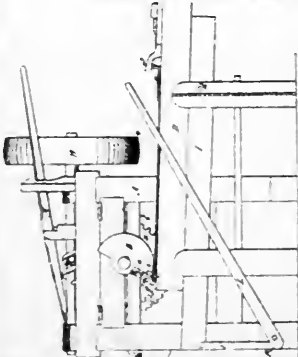
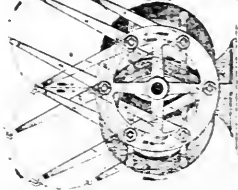
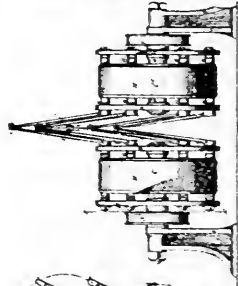


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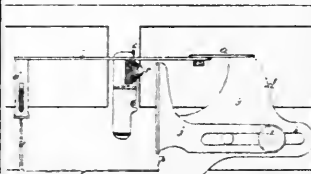
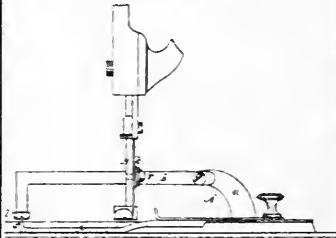
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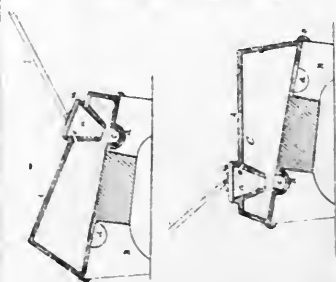
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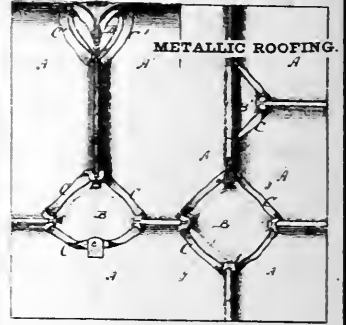
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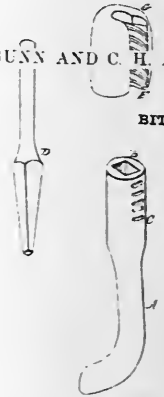
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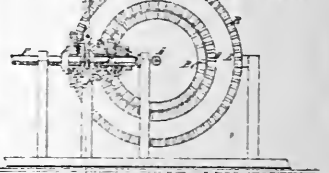
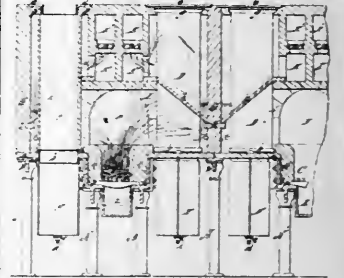
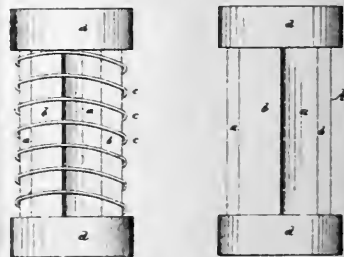
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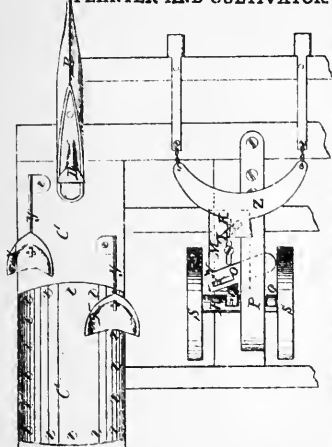
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## ILLUSTRATIONS OF PATENTS

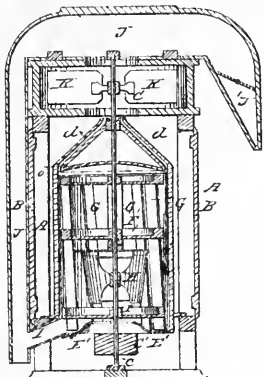
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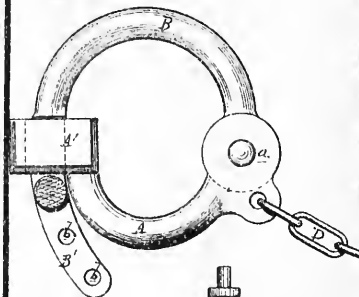
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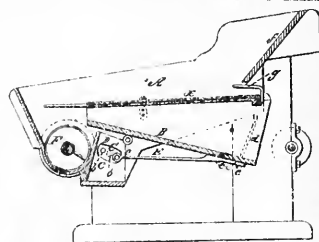
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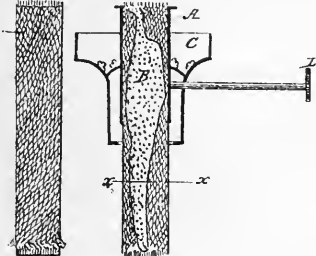
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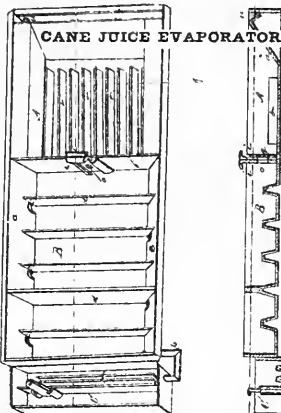
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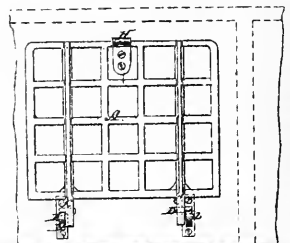
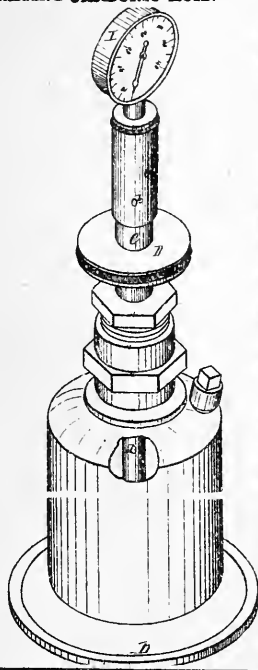
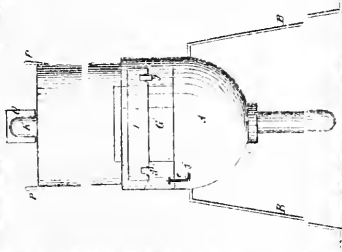
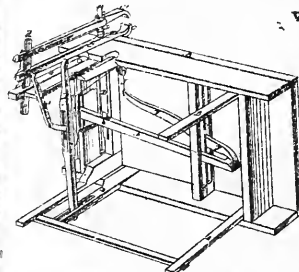
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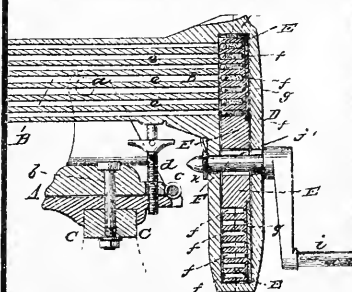
110,192. J. S. BLYMYER.



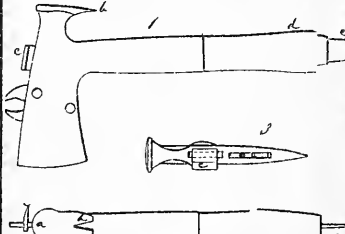
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110,189. H. BALMAIN  
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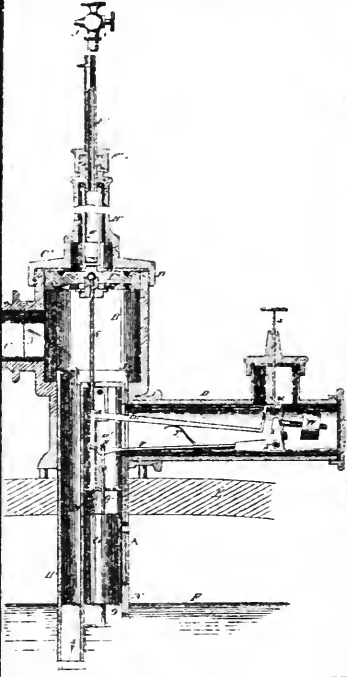
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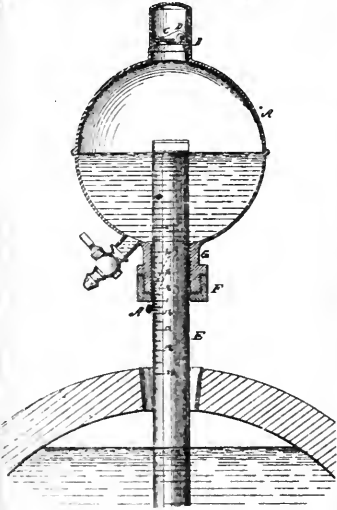
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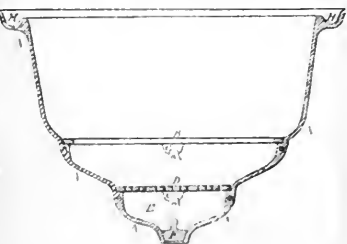
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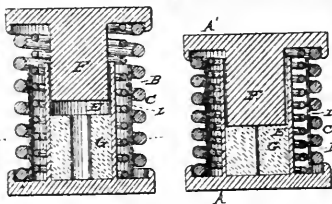
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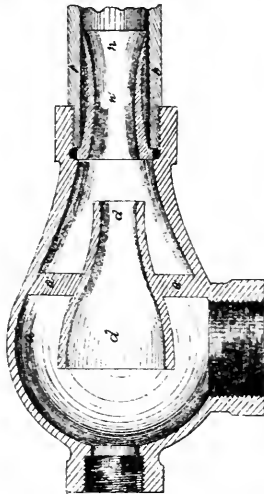
110.203. E. G. CHORMANN AND F. McLAUGHLIN KITCHEN AND HOUSEHOLD SINK.



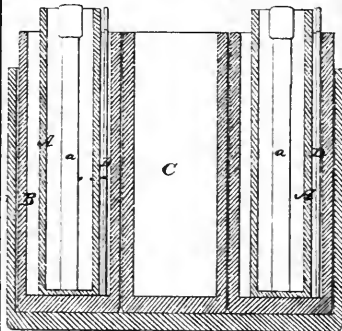
110.204. J. W. COCHRAN CAR AND OTHER SPRING.



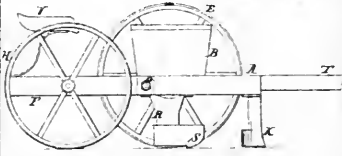
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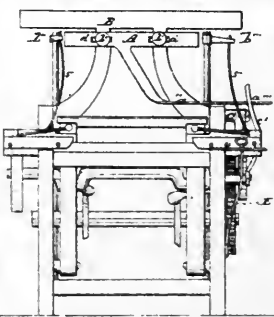
110.206. D. McF. COOK. GALVANIC BATTERY.



110.207. R. B. AND H. CORSON CORN PLANTER.



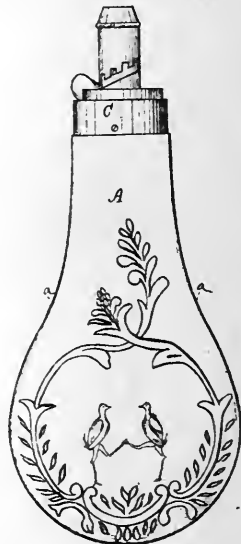
110.208. J. COWNGILL STOPPING MECHANISM FOR LOOMS.



110.209. C. DANIEL VEHICLE.



110.210 F. E. DARROW POWDER FLASK.



110.211. A. DAVIS. TRANSPLANTING IMPLEMENT.



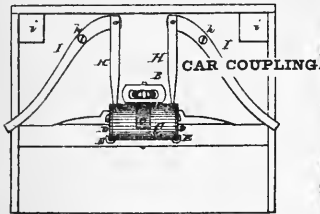
110.212. T. DAVIS MOTIVE POWER APPARATUS.



110.213. B. DAY. SECTIONAL IMAGE.

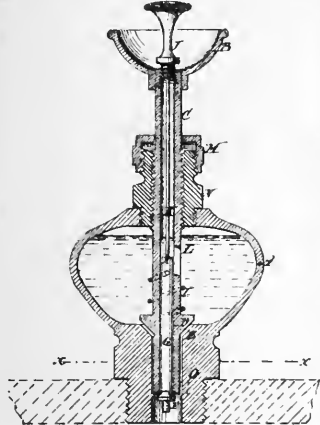
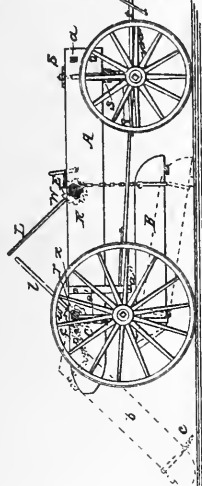


110,214. J. C. DEARBORN



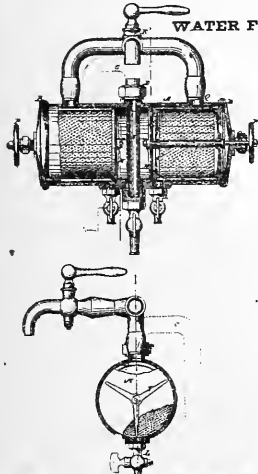
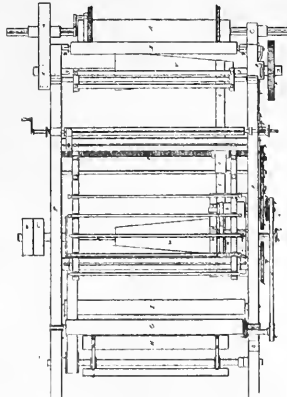
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110,215. J. L. DICKINSON LUBRICATOR.

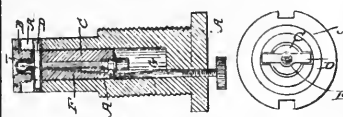
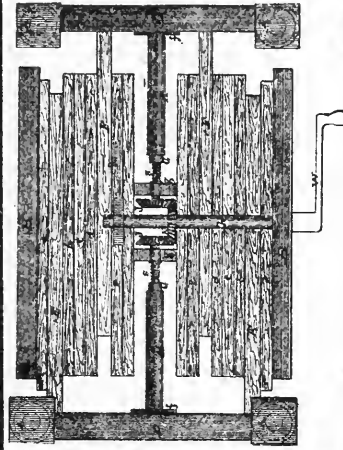
110,216. W. D. DORSEY PORTABLE  
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110,217. J. W. DOUGHERTY

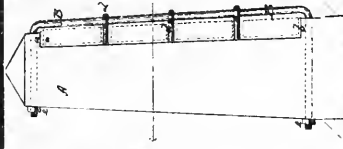
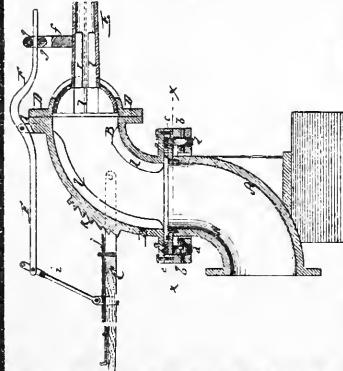
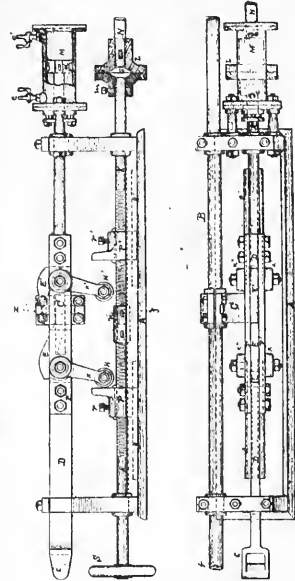
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110,218. G. DRAPER MACHINE  
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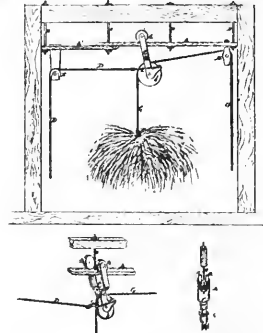
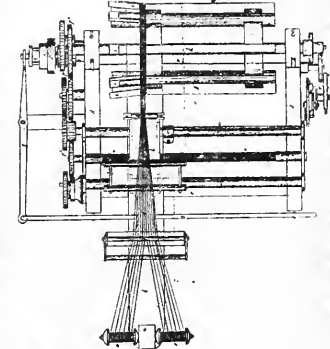
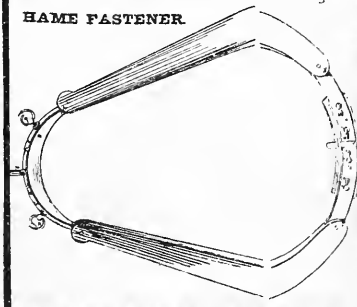
110,219. J. EGGO SHELL FUSE.

110,220. T. C. ELLISON  
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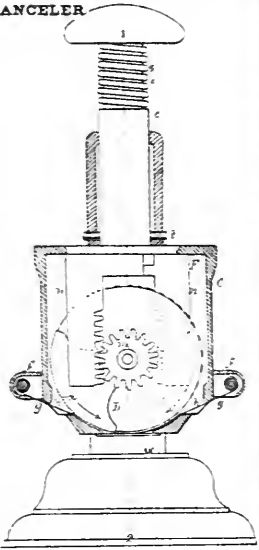
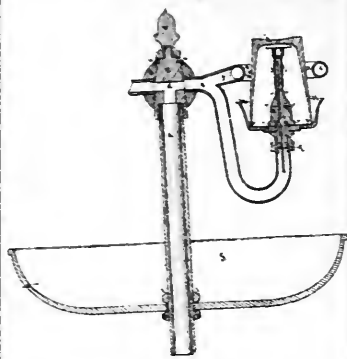
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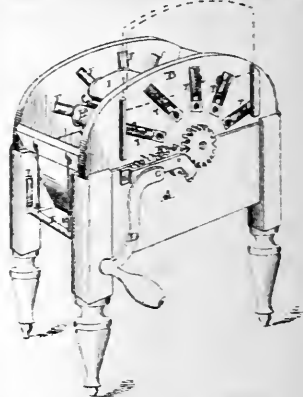
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110,225. J. FURRER  
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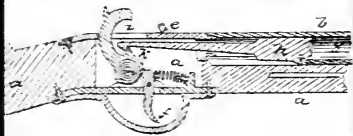
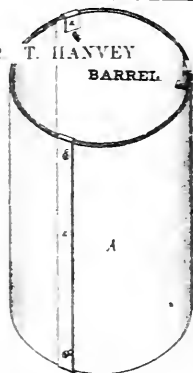


110,227. J. GOLDSBOROUGH  
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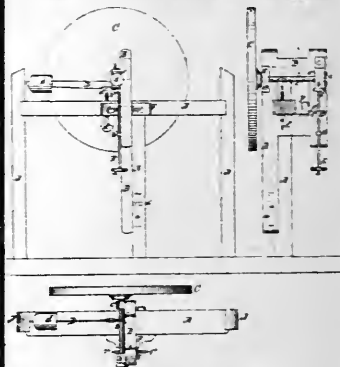
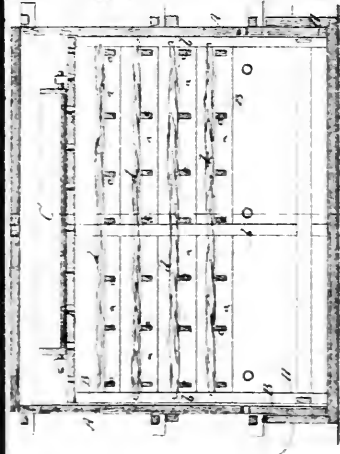
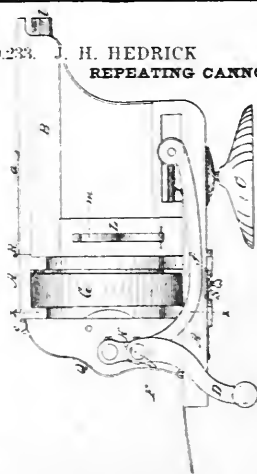
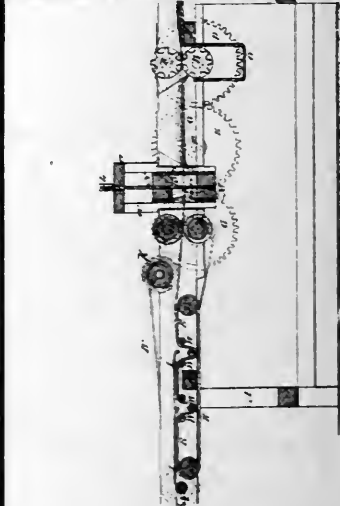
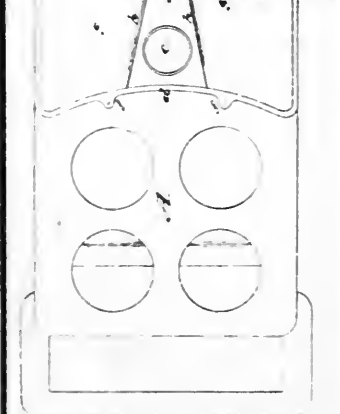
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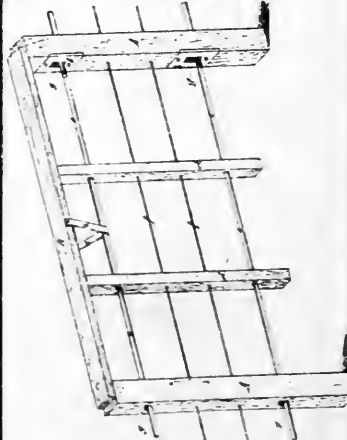
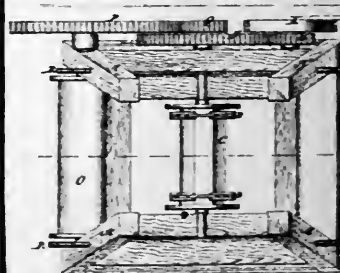
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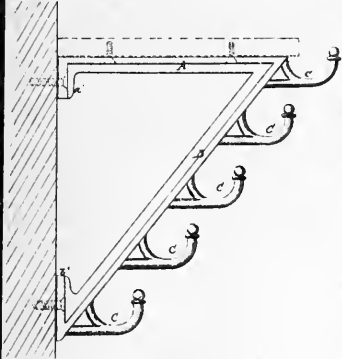
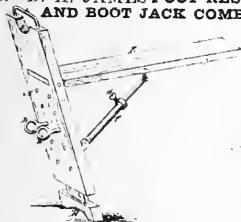
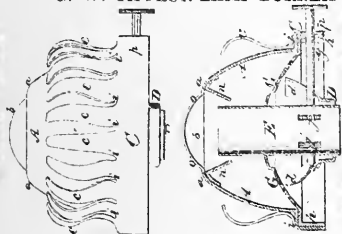
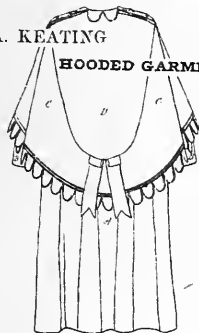
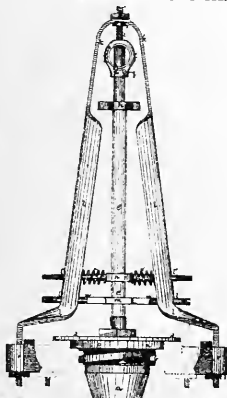
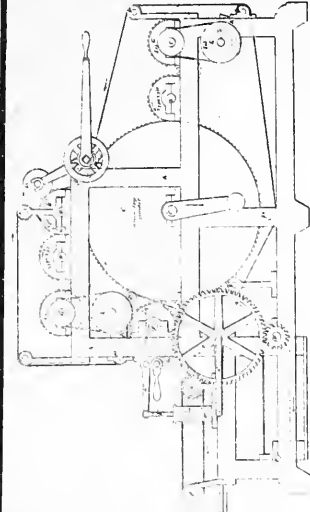
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110,236. J. R. HOFFMAN SAW MILL.

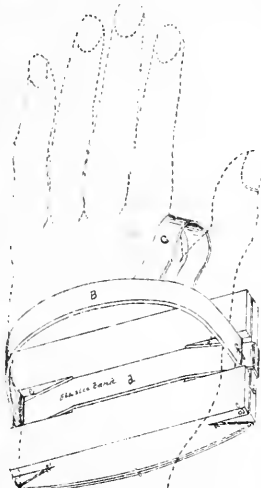
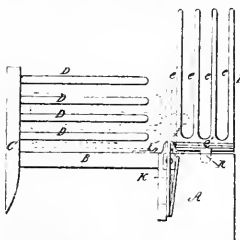
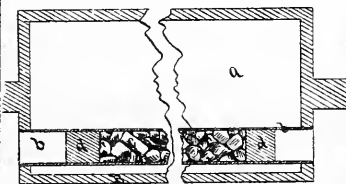
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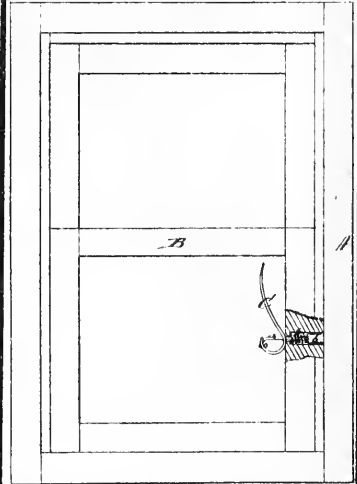
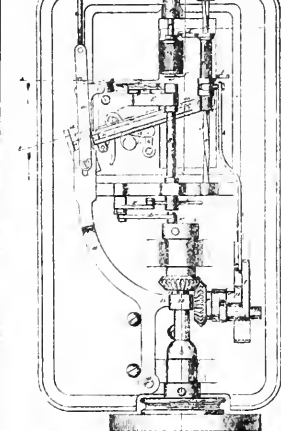
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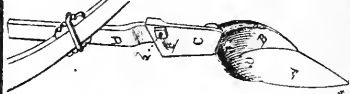
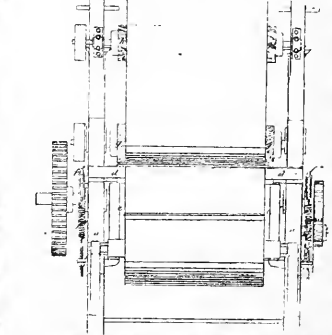
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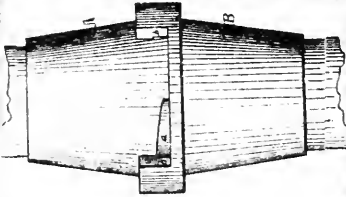
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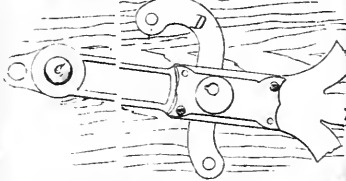
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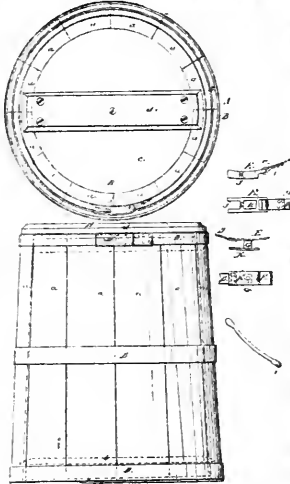
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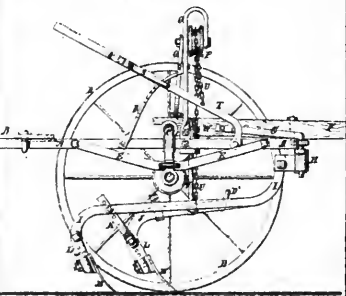
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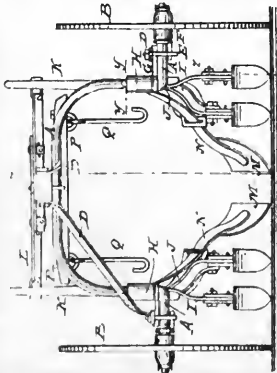
110,255. S. MACFERRAN TIGHTENING STRAP FOR BARRELS



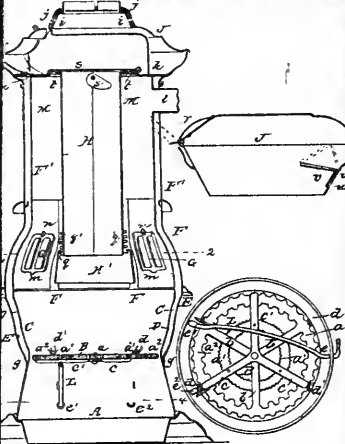
110,256. I. B. MAHON CULTIVATOR



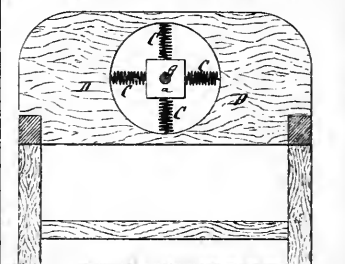
110,257. I. B. MAHON CULTIVATOR



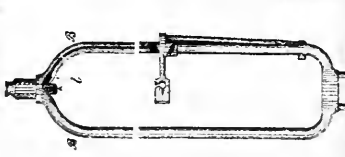
110,258. H. C. MARCH. BASE BURNING STOVE.



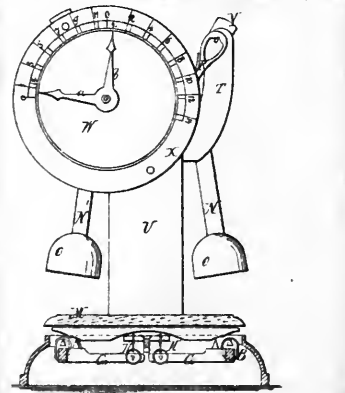
110,259. H. MARTINSON MODE OF BALANCING SHAFTS.



110,260. T. MAYOR. FLIER FOR SPINNING.



110,261. R. J. McKEONE PLATFORM WEIGHING SCALE.



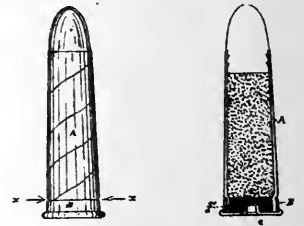
110,262. J. McMICHAEL. MACHINE FOR BENDING WOOD.



110,263. W. MILLER CLOTHES PIN.



110,264. R. R. MOFFATT CARTRIDGE



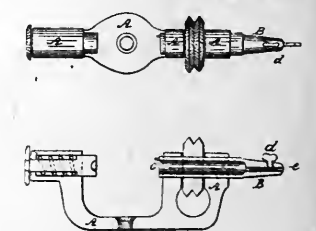
110,265. R. R. MOFFATT METALLIC CARTRIDGE



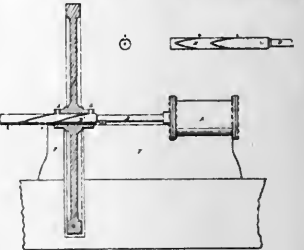
110,266. R. R. MOFFATT PERCUSSION PRIMER FOR CARTRIDGES



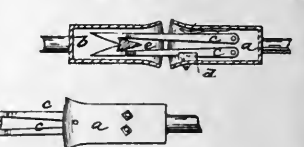
110,267. R. R. MOFFATT BOBBIN WINDING AND NEEDLE SHARPENING ATTACHMENT FOR SEWING MACHINES

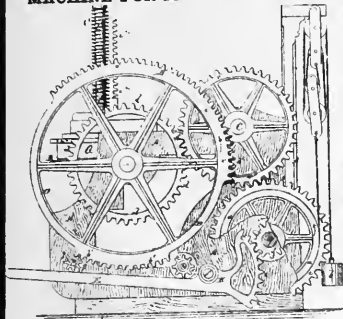
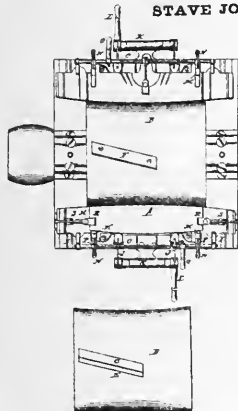


110,268. R. R. MOFFATT MODE OF APPLYING MOTIVE POWER TO MACHINERY

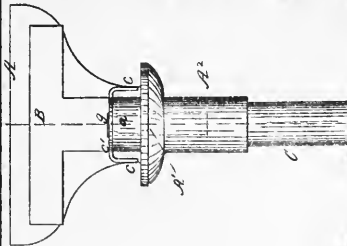
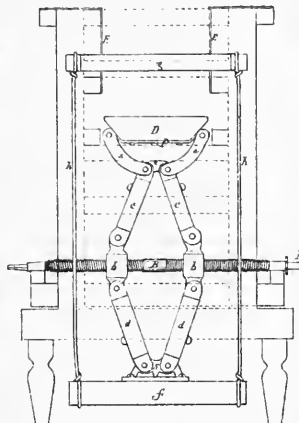


110,269. J. C. MORRIS CAR COUPLING

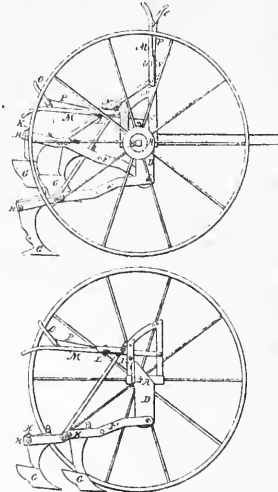
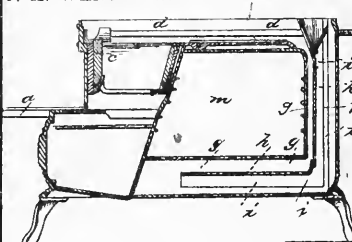


110.270. R. NEISCH  
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110.276. J. J. PALMER VAPOR BURNER

110.277. A. PARAF.  
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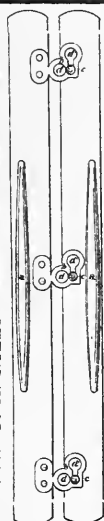
110.281. T. PEPPLER GANG FLOW.

110.282. J. PRATT AND  
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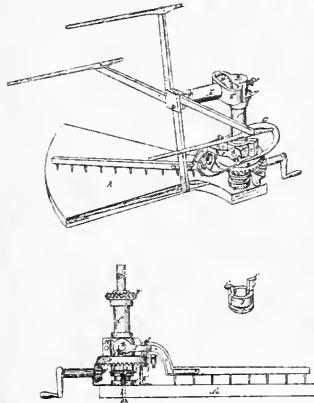
110.272. J. NEWTON MUSIC STAND



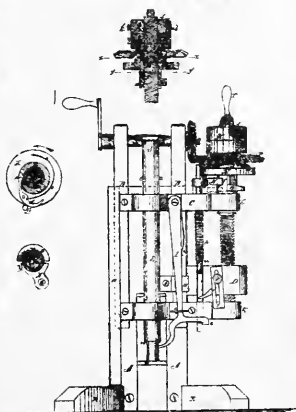
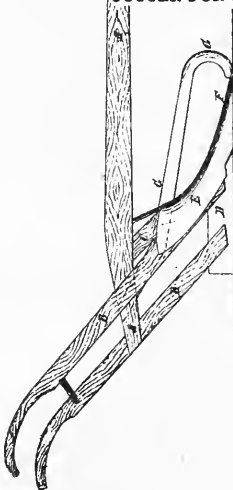
110.273. P. H. NILES CORSET CLASP AND SPRING



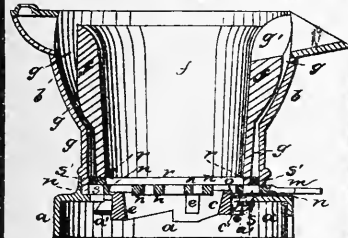
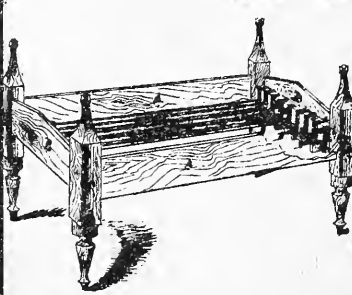
110.279. H. PEASE HARVESTER RAKE



110.280. C. PECK. ROCK DRILL.

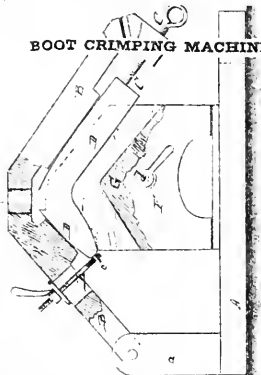
110.283. G. F. PYKIET  
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110.274. J. OLD FURNACE STOVE

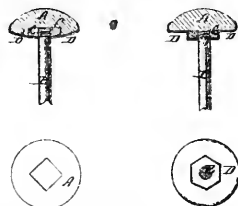
110.275. M. O'REILLY.  
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110,285. J. RAUSCH

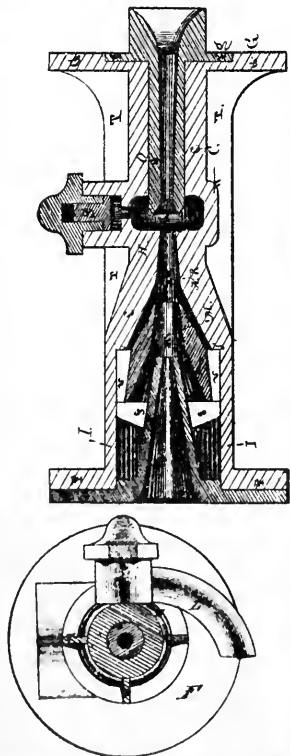
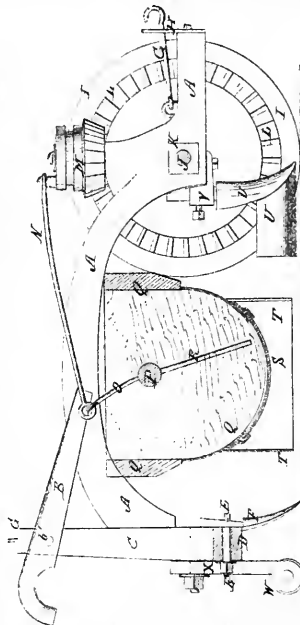
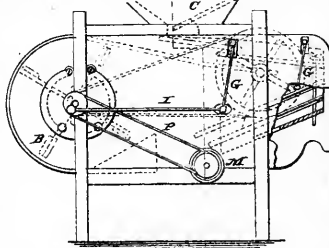
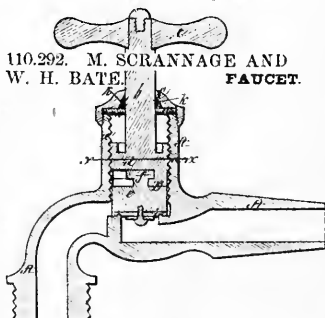
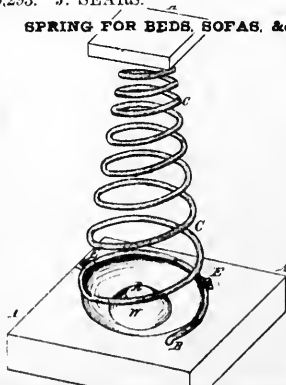
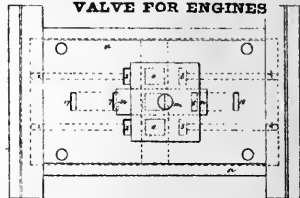
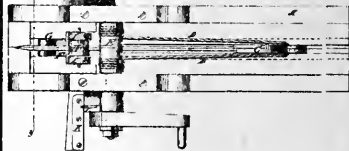
BOOT CRIMPING MACHINE.



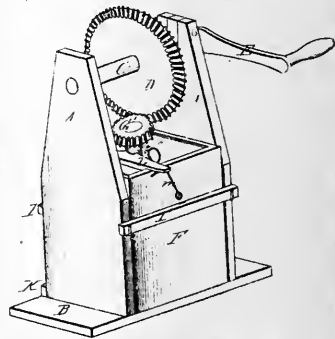
110,286 V. RHODESCHAMBER VESSEL.

110,287. T. C. RICHARDS.  
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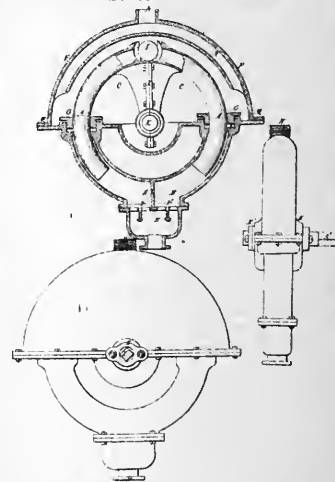
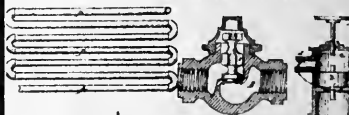
110,289. C. F. ROOT. INJECTOR.

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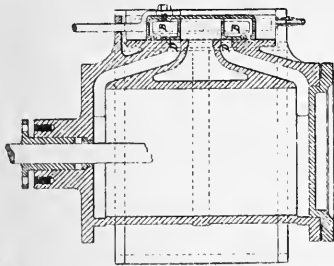


110,297. N. P. SHELDON PUMP.

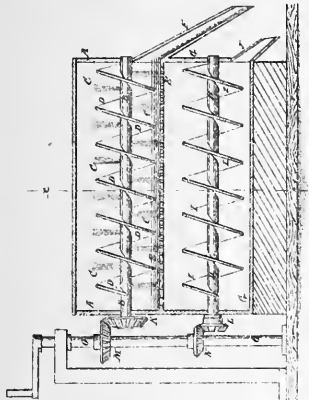
110,298. G. W. SHIELDS  
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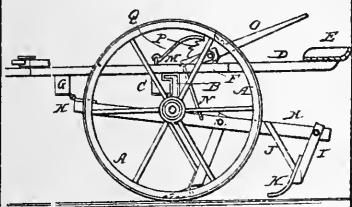
110,300. J. SMART. SLIDE VALVE.



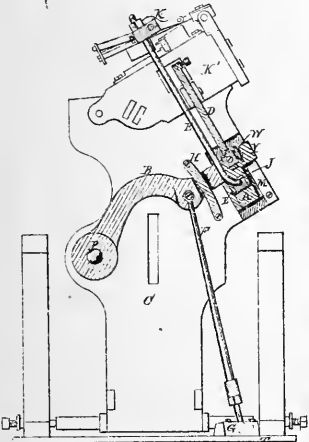
110,301. A. SMITH. GRAIN SCOURER.



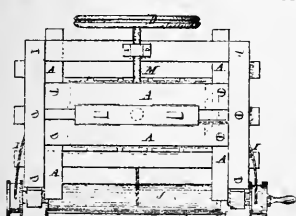
110,302. P. E. SMITH. CULTIVATOR.



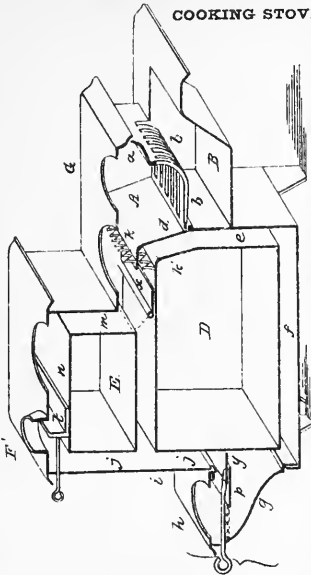
110,303. W. SPANG. TYPE CASTING MACHINE.



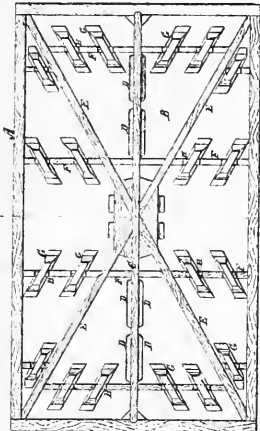
110,304. N. W. SPEERS. COTTON PRESS.



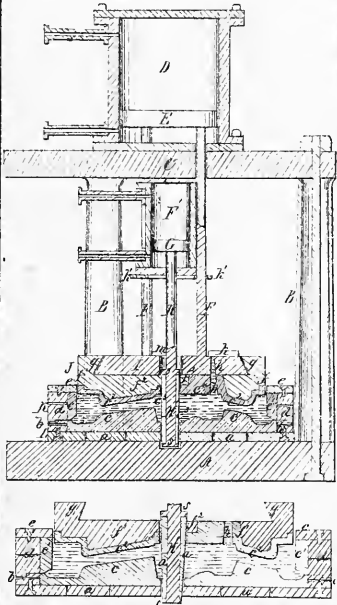
110,305. D. STUART AND L. BRIDGE. COOKING STOVE.



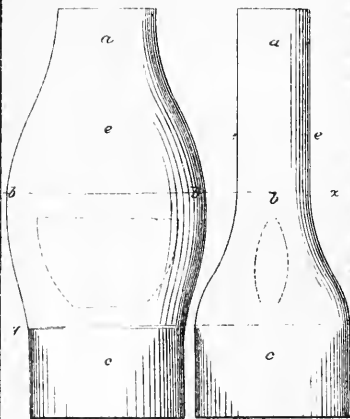
110,306. I. N. SWASEY. BILLIARD TABLE.



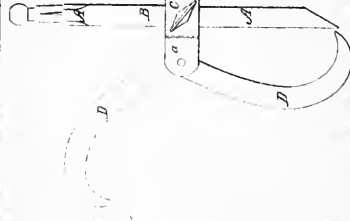
110,307. J. B. TARR. MOLD FOR CASTING UNDER PRESSURE.



110,308. G. W. TAYLOR AND W. P. JENNEY. LAMP CHIMNEY.



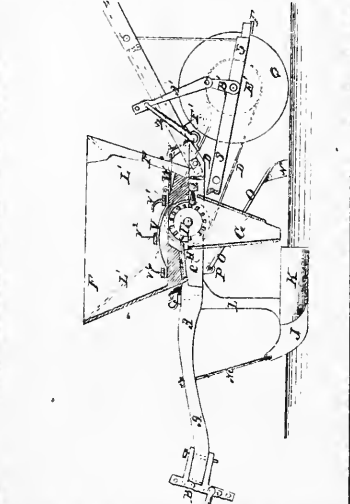
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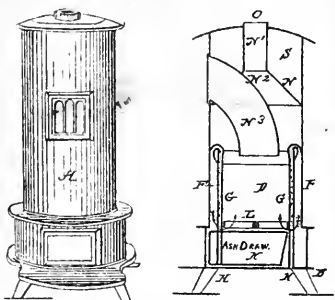
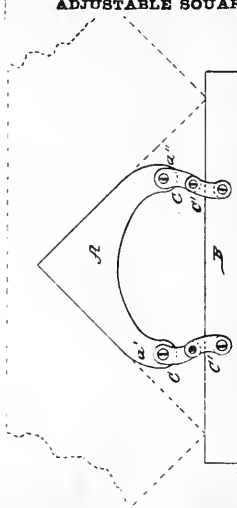
110,310. M. P. R. TILTON. PAD FOR CORSETS.



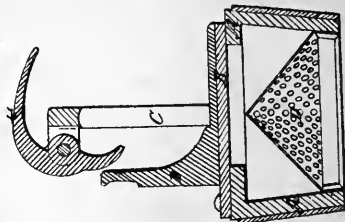
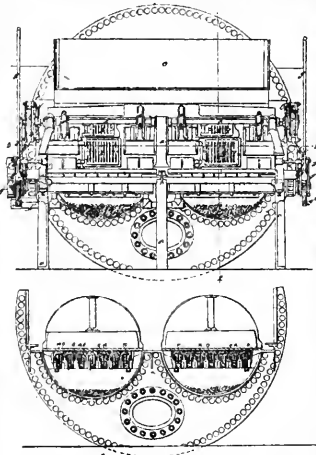
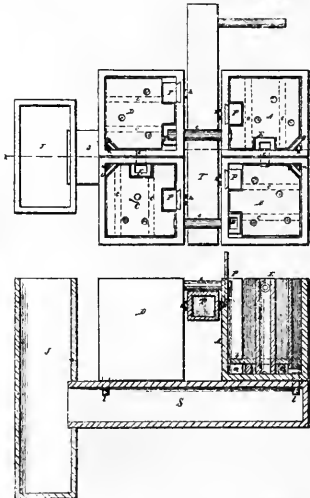
110,311. I. A. TOWERS. COTTON SEED AND CORN PLANTER.



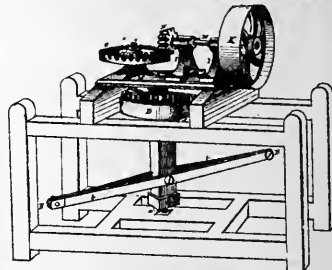
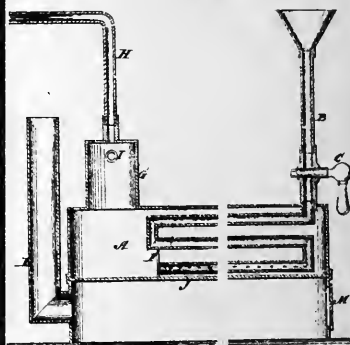
110,312. A. TRAVERHEATING STOVE

110,316. S. F. WESNER  
ADJUSTABLE SQUARE.

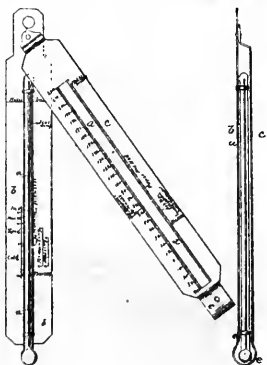
110,319A. S. WHITEHOUSEPUMP BOX

110,313 T. VICARS, SR., T. VICARS, JR  
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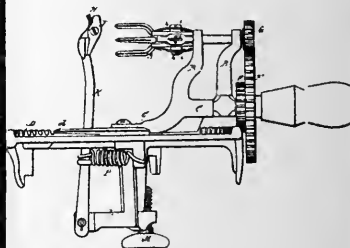
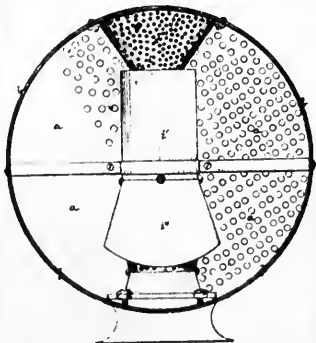
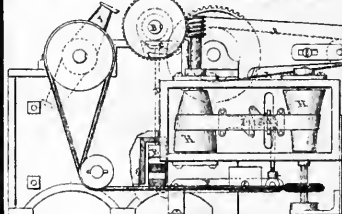
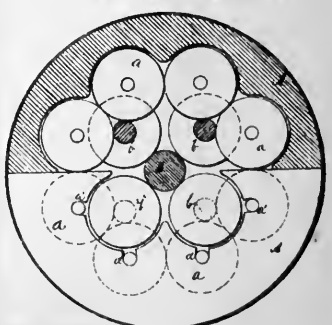
110,320J. W. WILCOX HORSE POWER

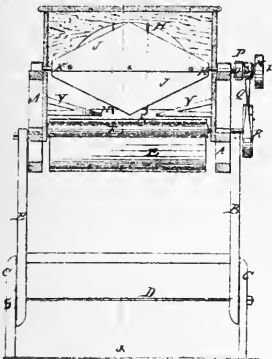
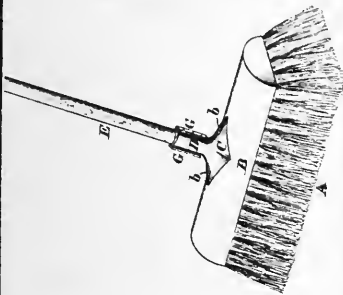
110,321. M. WOOD  
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110,314. J. D. WARD THERMOMETER.

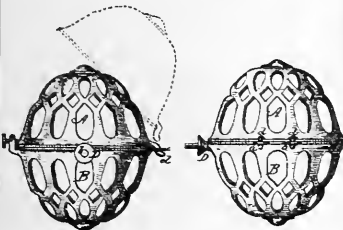
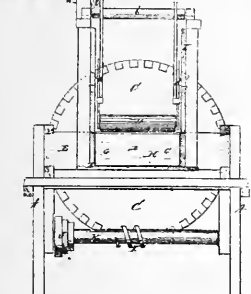
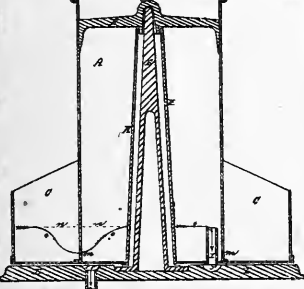
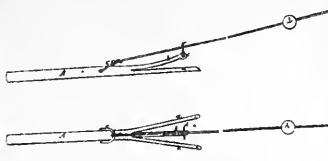


110,322 L. S. WOODBURY FRUIT PARER

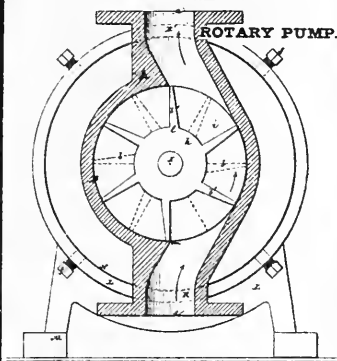
110,315 J. WEIDMAN, J. MAJOR, AND  
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110,324. W. H. H. YOUNG'S AUTOMATIC  
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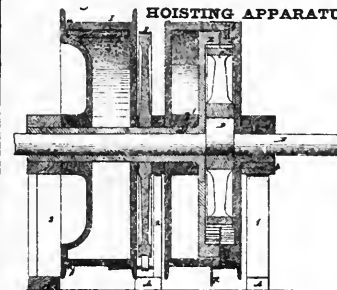
110,326. J. ADT. TWINE HOLDER.

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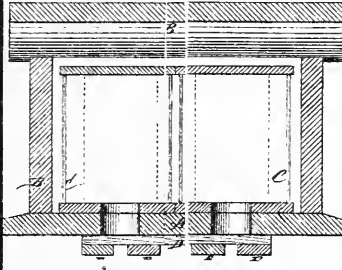
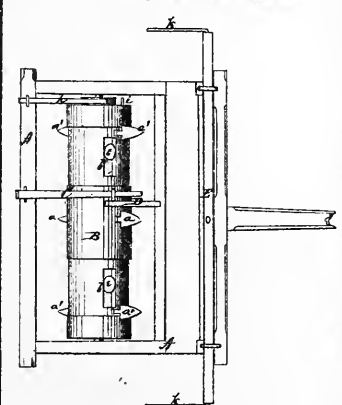
110,330. W. D. ANDREWS



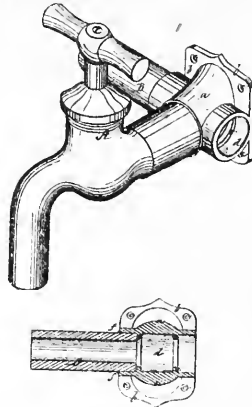
110,331. W. D. ANDREWS



110,332. R. ARNOLD. BEE HIVE.

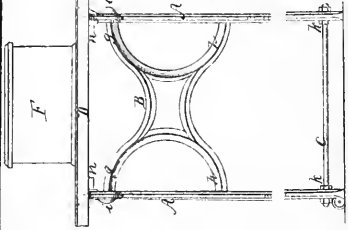
110,333. H. F. BAKER. COMBINED  
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110,334. W. H. BATE. DRAUGHT COCK

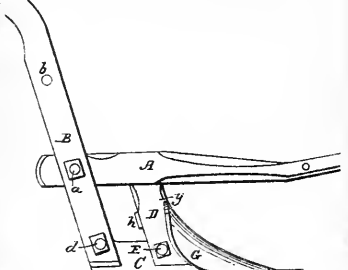


110,335. J. BENNOR.

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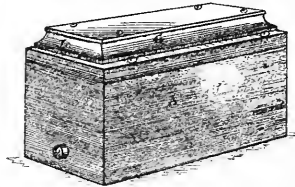
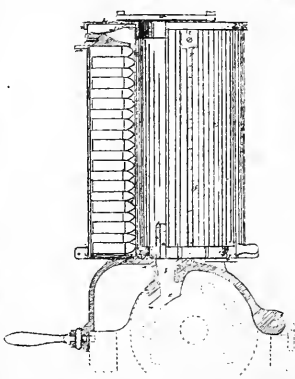


110,336. J. O. BILLING FLOW.

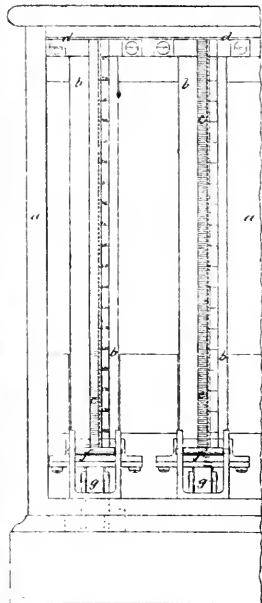


110,337. J. Y. BLACK

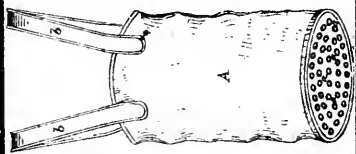
CORPSE PRESERVING COFFIN

110,338. L. W. BROADWELL  
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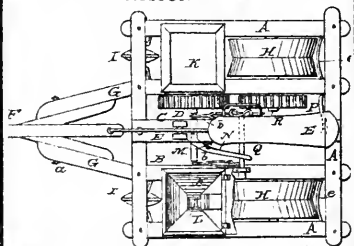
110.339. C. A. CALVERT.  
FARE REGISTERING APPARATUS.



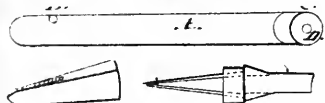
110.340. J. CARTER.  
SAFETY CASE FOR FRUIT JARS.



110.341. J. T. CARTER AND  
M. B. WILLIAMSON CORN PLANTER



110.342. R. H. CHINN PEN.

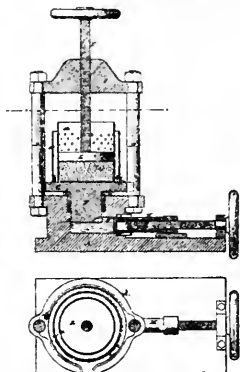


110.343. H. COLE ROOFING MATERIAL

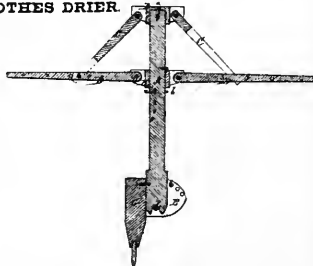


110.345. F. J. DELKER COMPOUND  
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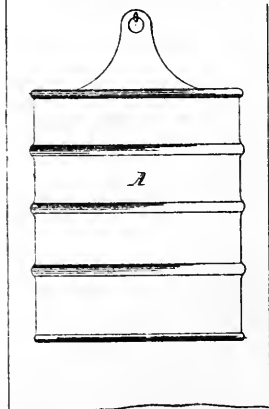
110.346. J. A. DESGOFFE  
HYDRAULIC PRESS



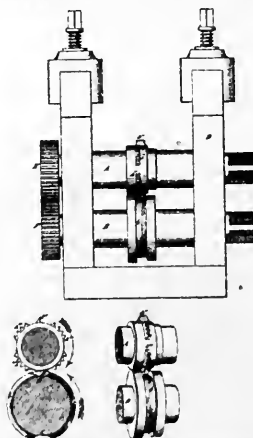
110.347. J. T. ELLIOTT  
CLOTHES DRIER



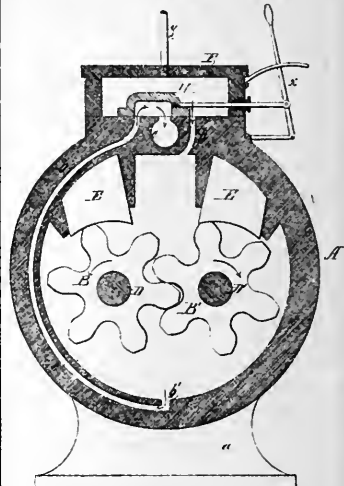
110.348. G. M. FILLMORE  
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110.349. C. L. FITZHUGH ROLL  
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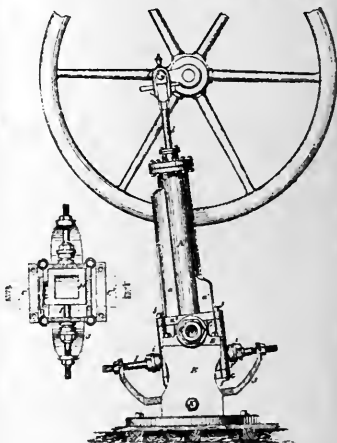
110.350. G. S. FOLLENSBEE  
ROTARY STEAM ENGINE.



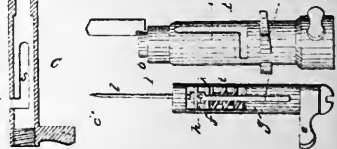
110.351. T. FOLLETT  
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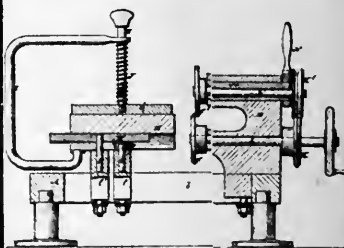
110.352. I. N. FORRESTER  
OSCILLATING STEAM ENGINE.

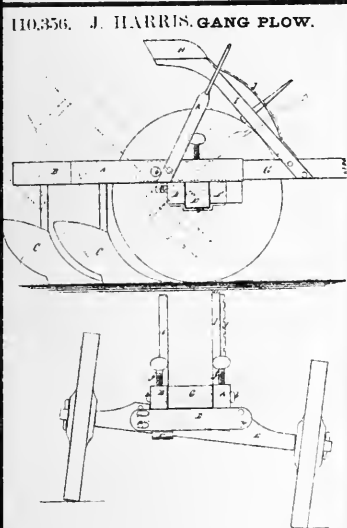


110.353. S. GERNGROSS  
BRECH LOADING FIRE ARM.

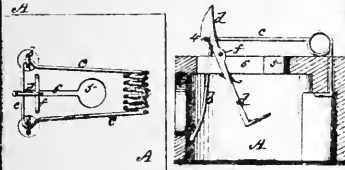
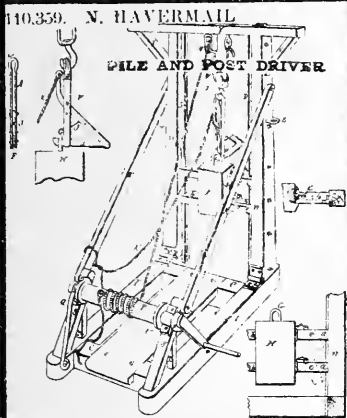


110.354. W. D. GRIMSHAW  
MACHINE FOR CUTTING SHEET  
METAL TO AN OVAL FORM

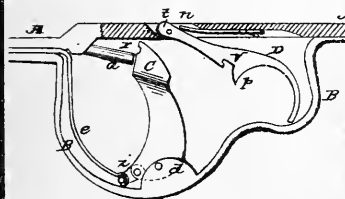
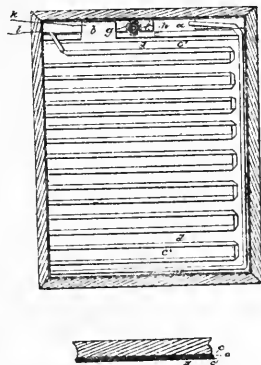


110,355. J. HAFENEGGER  
EXPLOSIVE COMPOUND.

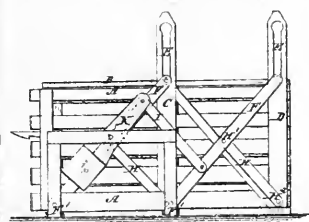
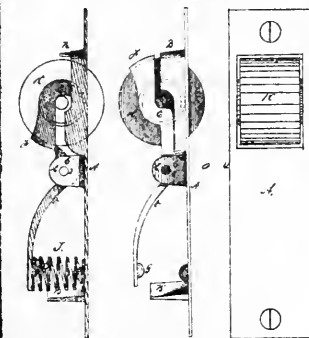
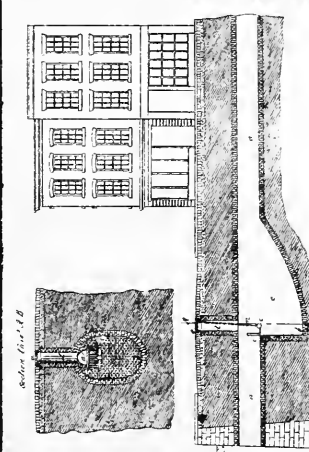
110,357. H. C. HART. MOUSE TRAP.

110,358. J. T. HAVILAND  
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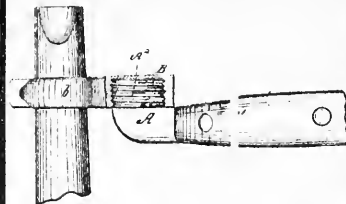
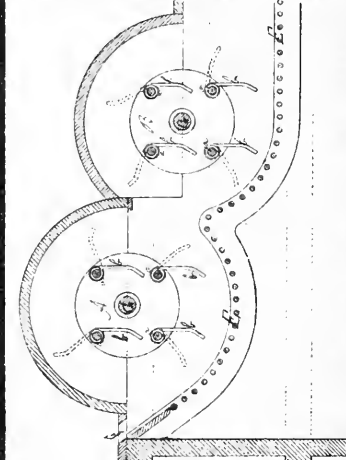
110,360. E. B. HENDIEE. GUN LOCK.

110,361. D. R. P. HILL  
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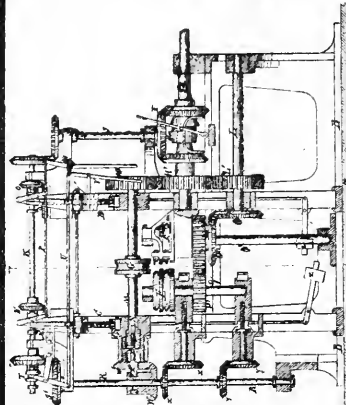
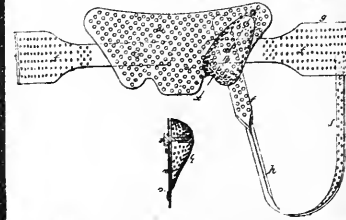
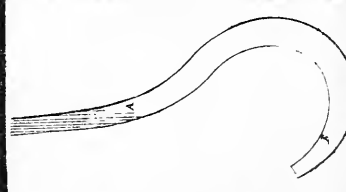
110,363. R. R. HOSKINS GATE.

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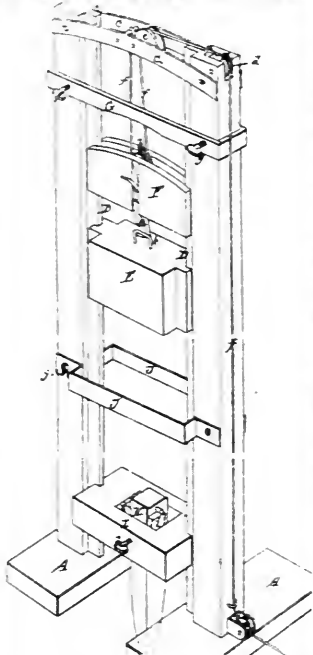
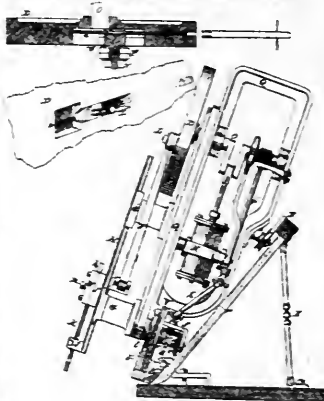
110,367 F. A. JEWETT THILL COUPLING

110,368. W. C. JILLSON AND  
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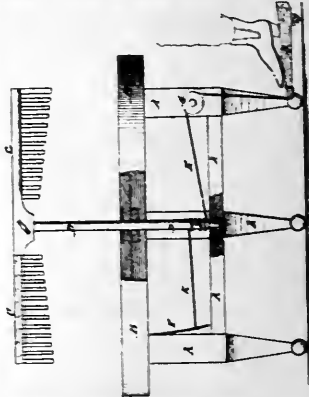
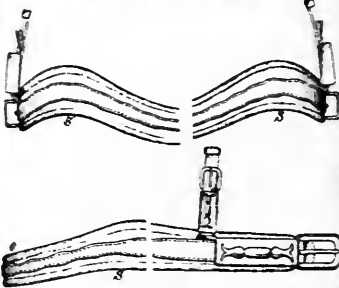
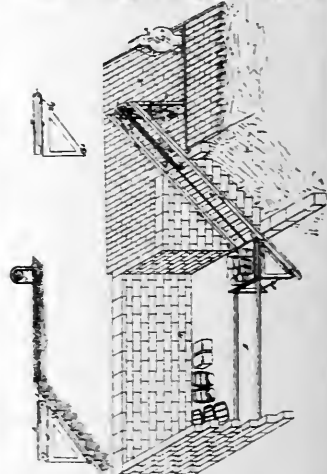
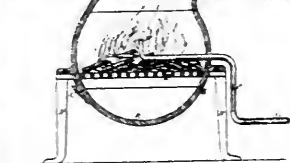
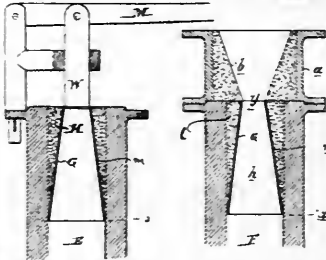
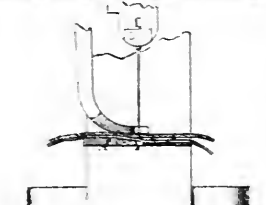
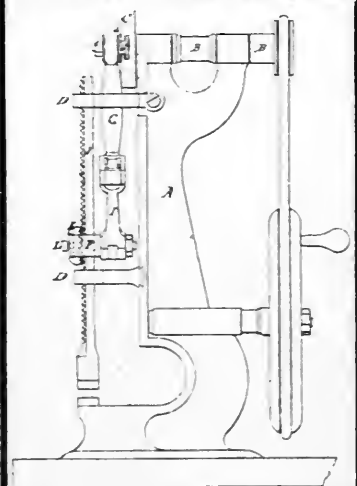
110,369. J. H. JONES ROLLING MILL.

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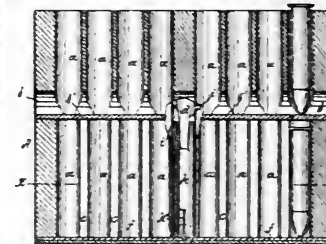


110,372. J. M. KIRKPATRICK  
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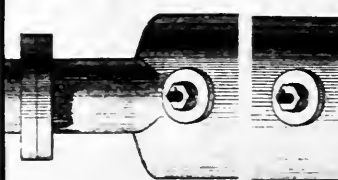
110,381. J. C. McEWAN TABLE FAN.

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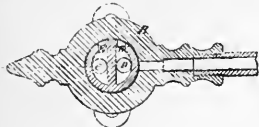
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110,384. W. MOREHOUSE  
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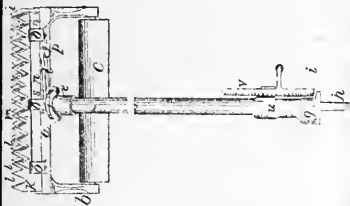
110,380. R. M. MARCHANT PUMP.

110,386. F. B. MORSE  
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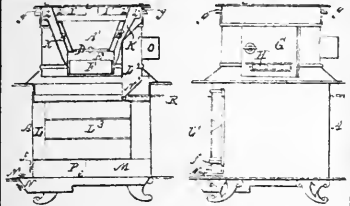
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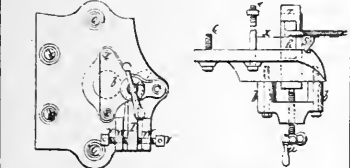
110,388. A. J. OHMERLAWN MOWER.



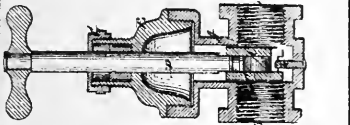
110,389 W. S. ORBETON COMBINED PARLOR AND COOKING STOVE.



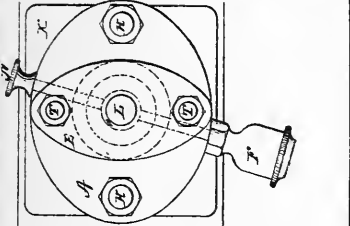
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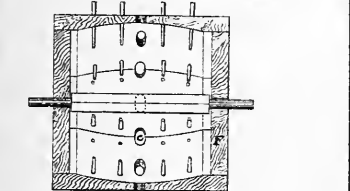
110,391. R. PILLING STOP VALVE.



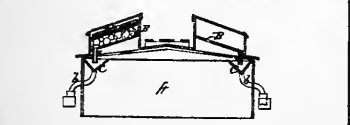
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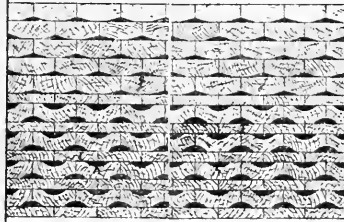
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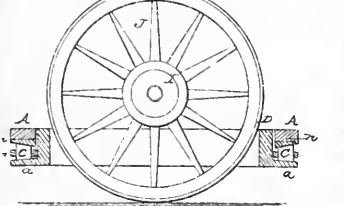
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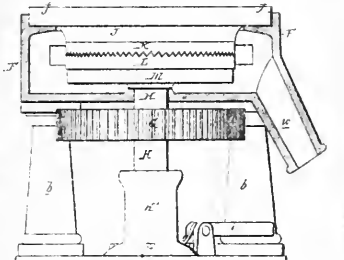
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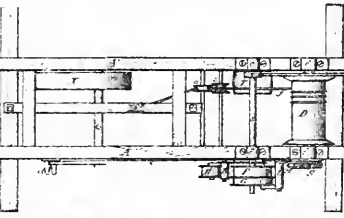
110,396. J. D. ROSS AND M. K. BURK VEHICLE.



110,397. J. H. RUSK GRINDING MILL.



110,398. E. H. STEARNS MACHINE FOR TURNING LOGS.



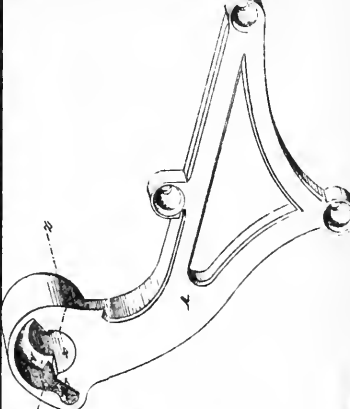
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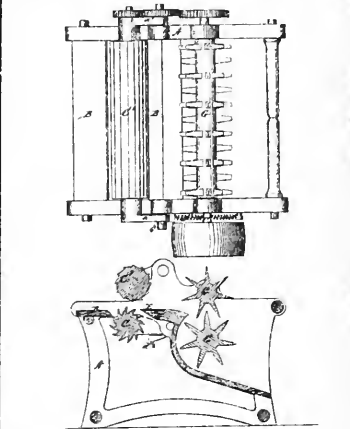
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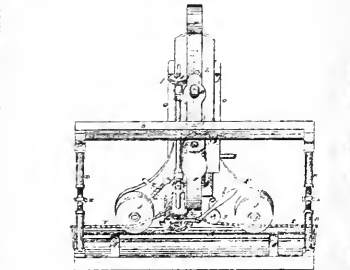
110,402. X. O. TIFFANY SEAT HINGE FOR SCHOOL DESKS AND SETTEES.



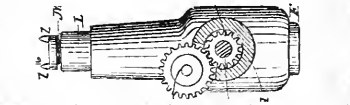
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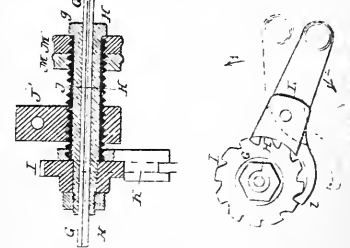
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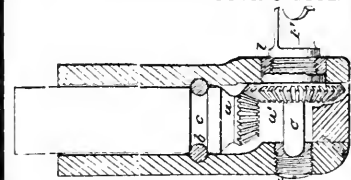
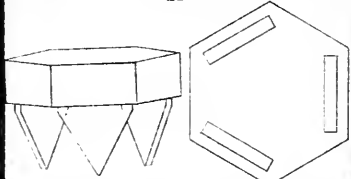
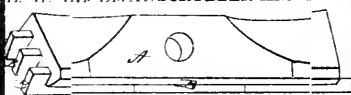
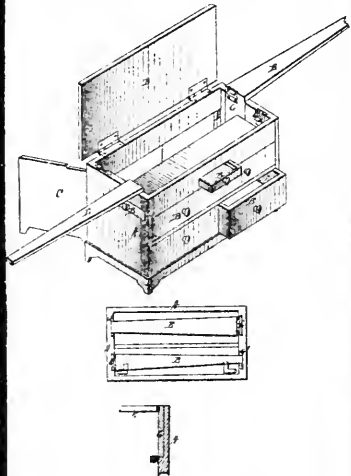


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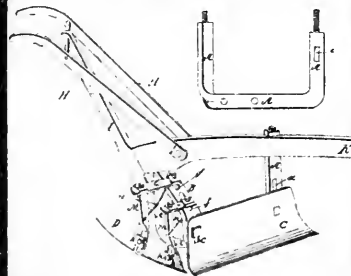


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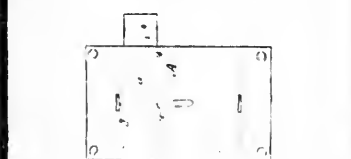


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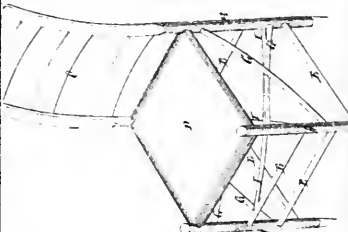
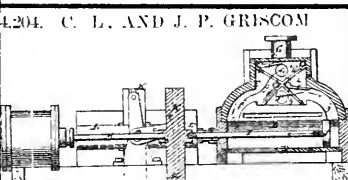
110.411. J. WILEY COTTON FLOW



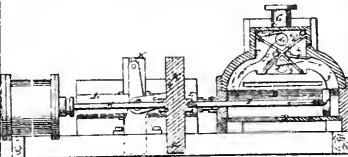
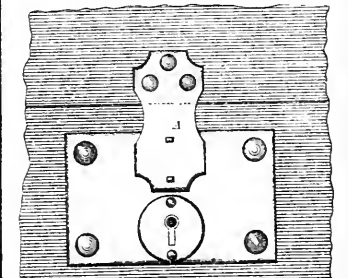
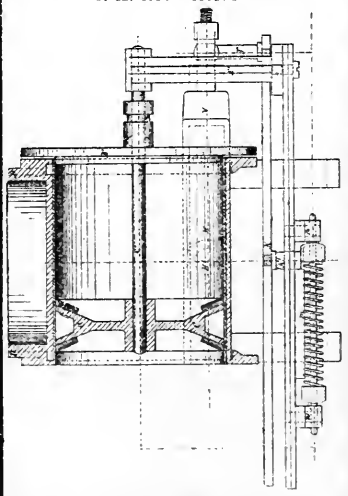
110.412. H. WILLARD LOCK.



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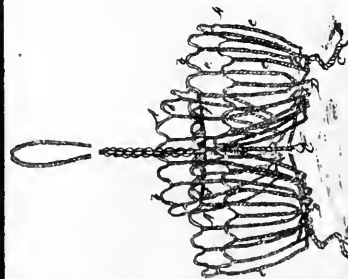
4.203. A. K. EATON MANUFACTURE  
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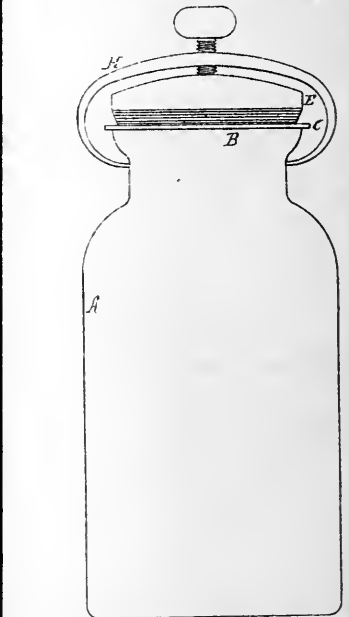
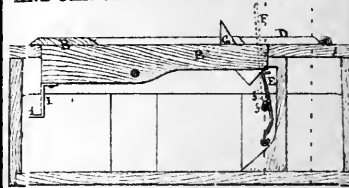
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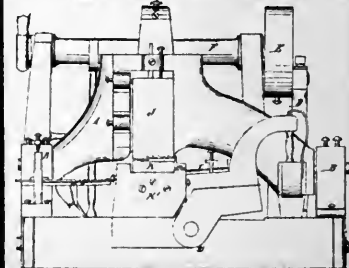
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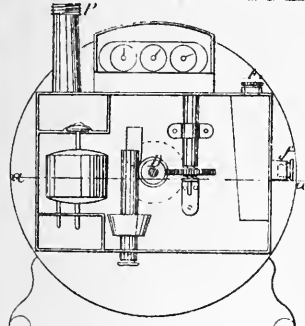
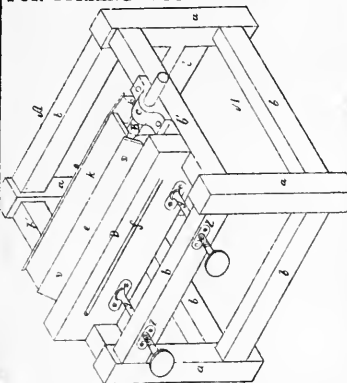
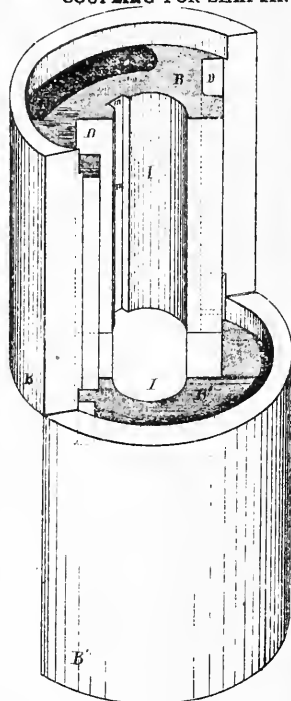
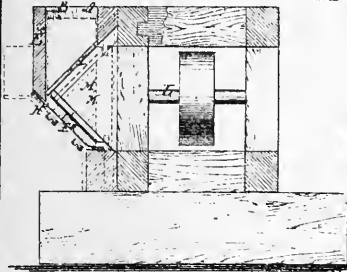
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## ILLUSTRATIONS OF PATENTS

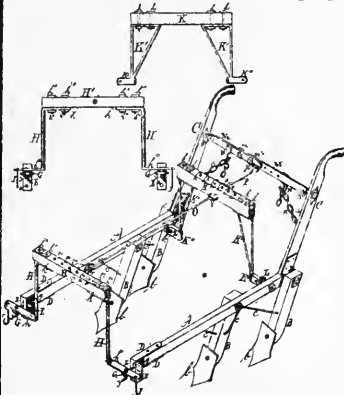
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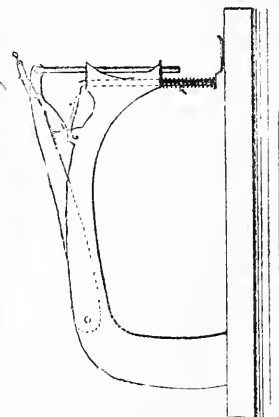
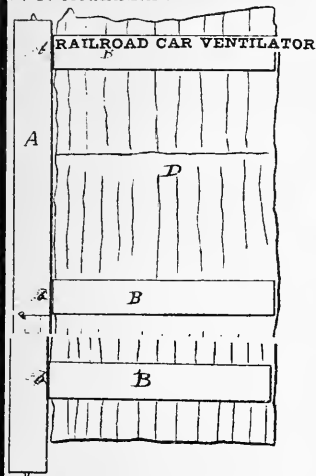
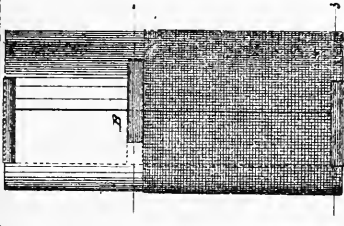
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110,414. H. W. ADAMS  
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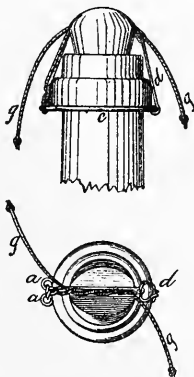
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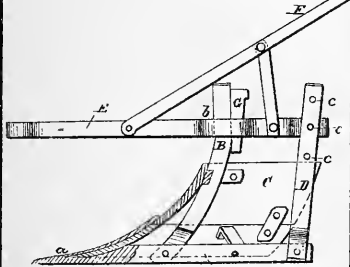
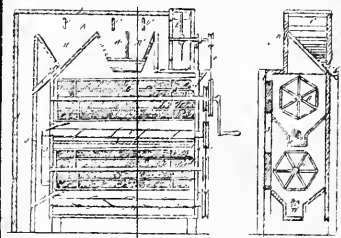
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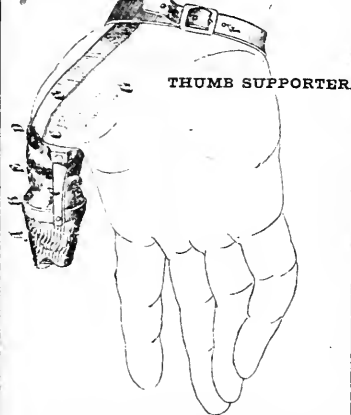
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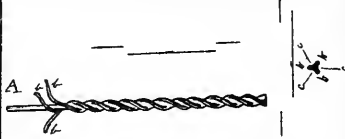
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110,425. L. G. BINKLEY  
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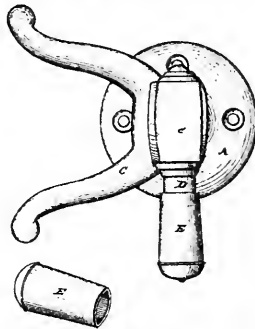


110.431. D. H. CAMPBELL AND E. WOODWARD WIRE FOR MAKING PEGS FOR BOOTS AND SHOES.

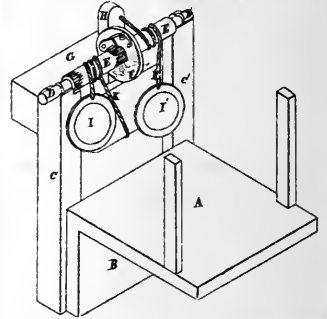


110.432. W. M. CANFIELD LUBRICATING COMPOUND FOR STEAM AND OTHER PACKING.

110.433. W. S. CHATHAM BOOT JACK AND DOOR BUFFER.

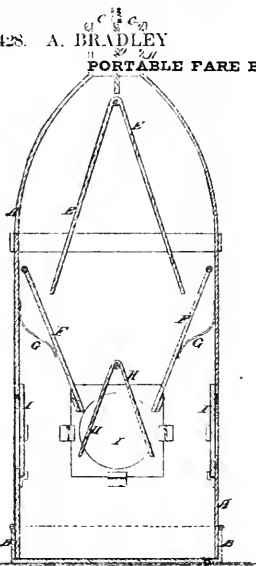


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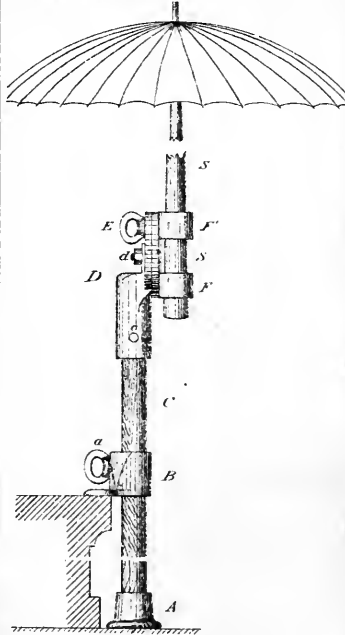


110.427. J. F. BOYNTON METHOD OF PRODUCING ILLUMINATING GAS.

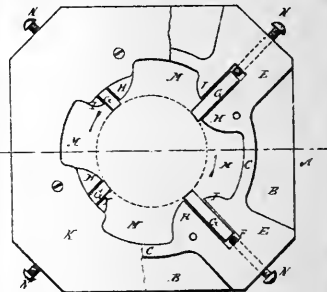
110.428. A. BRADLEY PORTABLE FARE BOX



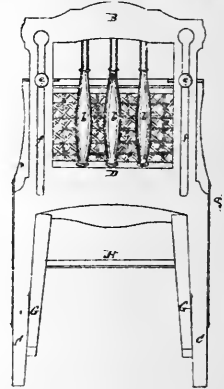
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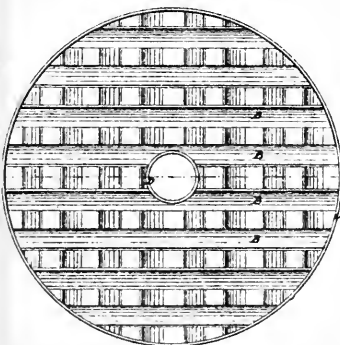
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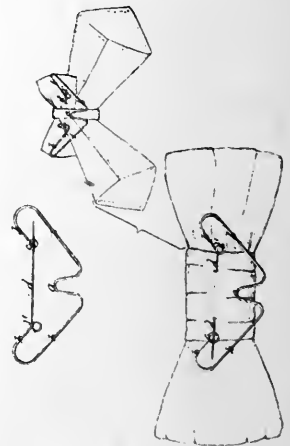
110.438. F. COLTON FOLDING CHAIR



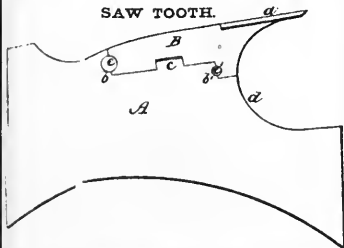
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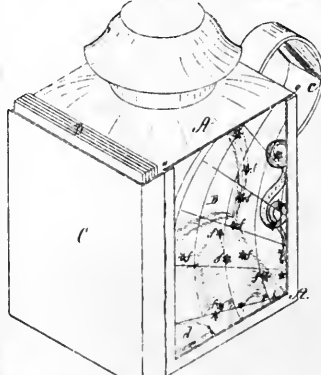
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110.430. J. BYRD AND T. BYRD, JR. SAW TOOTH.

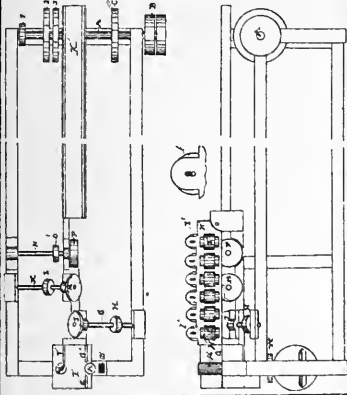


110.435. J. F. CLARKE. ASTRONOMICAL LANTERN.

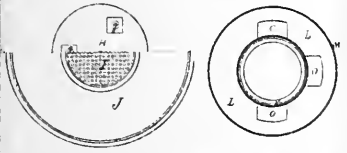




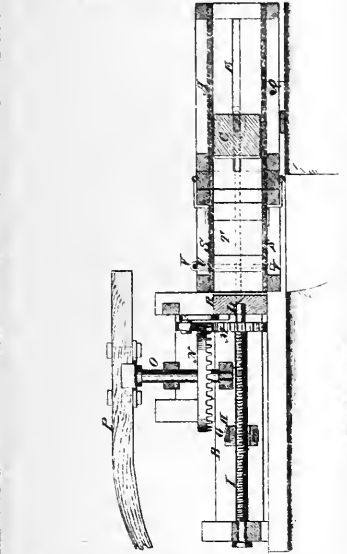
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FOR GROOVING BLOCKS FOR  
WOOD PAVEMENTS



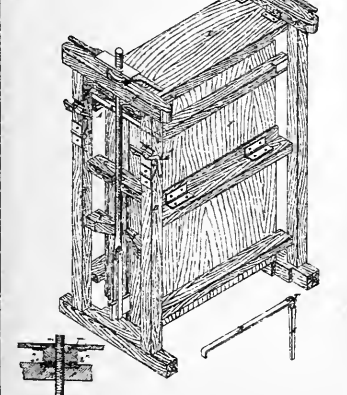
110,441. M. CUMMINS AND  
H. ISREAL. SELF CLEANING  
LOCOMOTIVE SMOKE STACK.



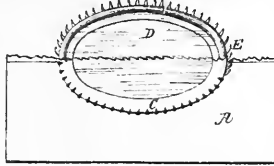
110,442. M. G. CUNNINGHAM  
PRESS FOR HAY, COTTON, &c.



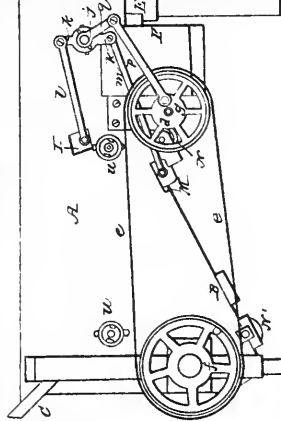
110,443. J. K. DAVIS  
HAY AND COTTON PRESS.



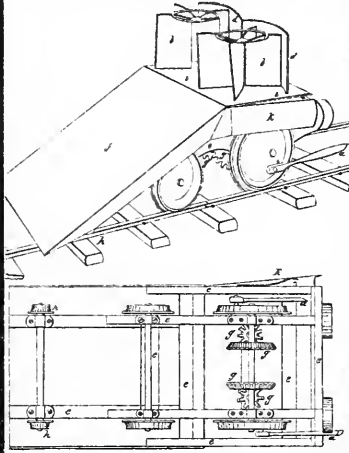
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CARRIAGE WINDOW



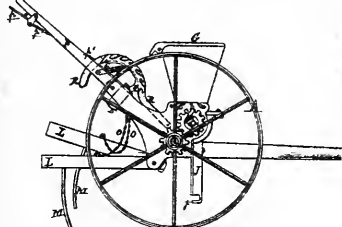
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GRAIN SEPARATOR.



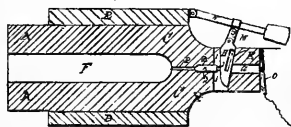
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SNOW PLOW FOR RAILWAYS.



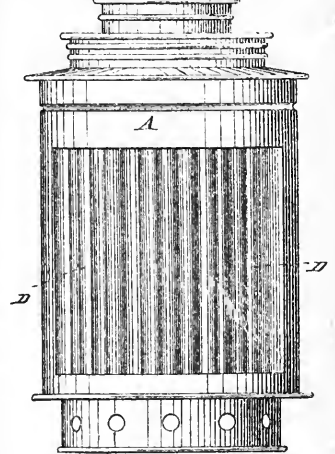
110,447. J. E. FARGO COMBINED  
BROADCAST SEEDER AND CULTIVATOR



110,448. G. K. FARRINGTON DEVICE  
FOR SIGHTING AND FIRING ORDNANCE



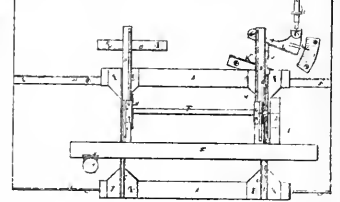
110,449. H. C. FELTHOUSEN  
LENS OR GLASS FOR HEAD LIGHTS



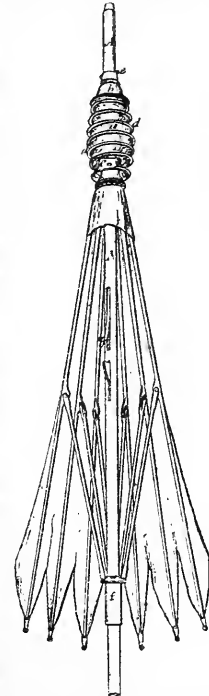
110,450. R. FERGUSON

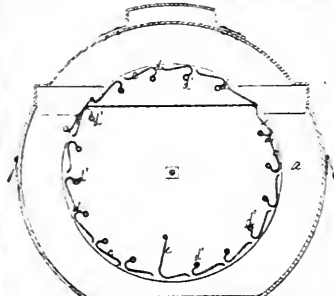
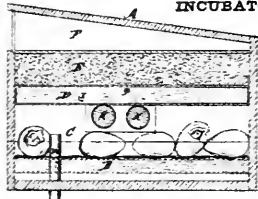


110,451. C. M. FLINT SAW MILL.

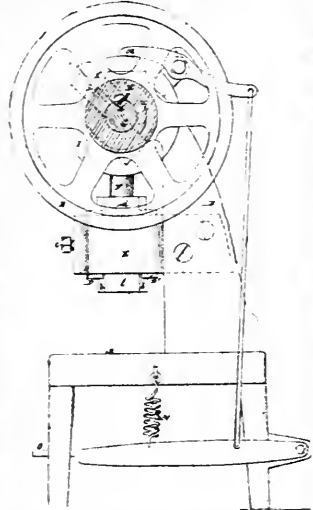


110,452. T. FOWLER  
DRIP ATTACHMENT FOR UMBRELLAS

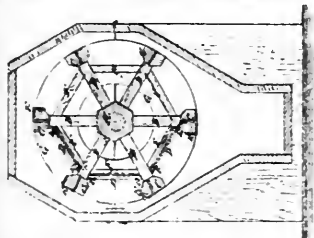


110.453. A. A. GARDNER.  
WASHING MACHINE110.454. J. AND H. GRAVES  
INCUBATOR.

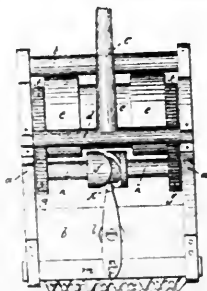
110.455 A. D. HAMLIN POWER PRESS



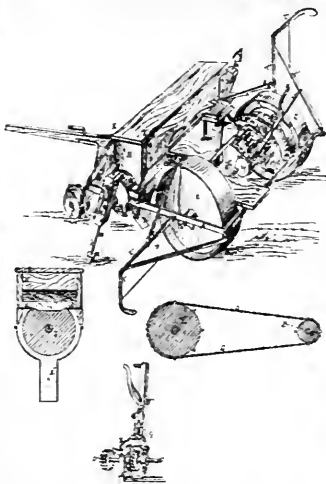
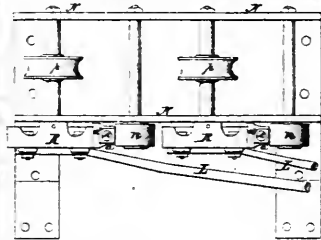
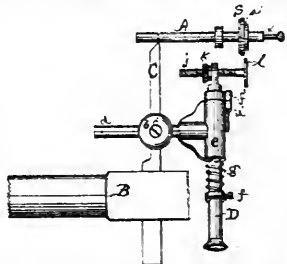
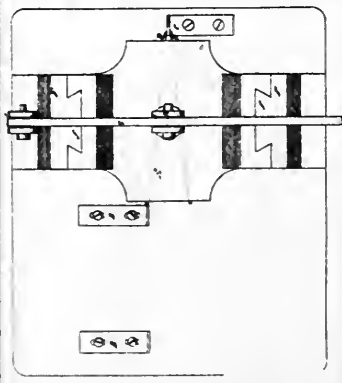
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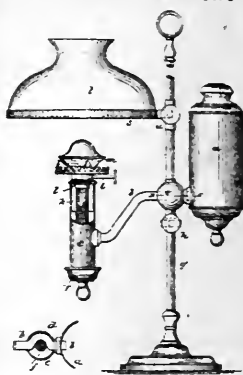
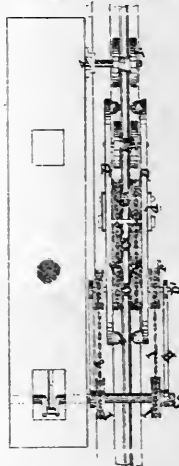
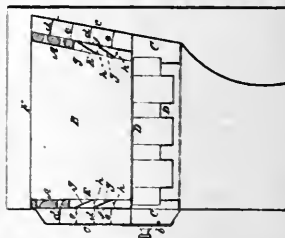
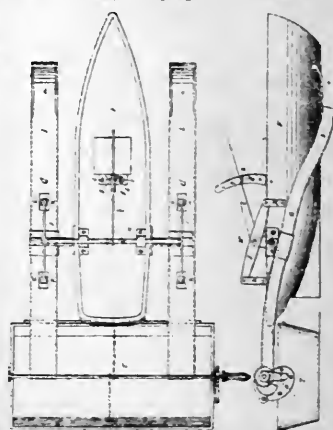
110.457. H. C. HART LAWN MOWER



110.458 C. A. HASKELICORN PLANTER

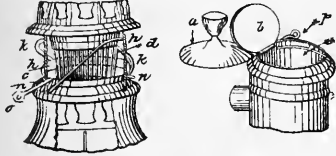
110.459. G. HEATH  
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STEAMBOILERS, METALS, &c.

110.464. C. F. A. HINRICHS LAMP.

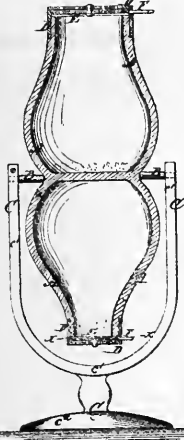
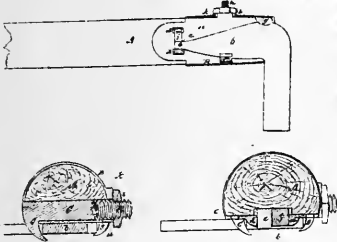
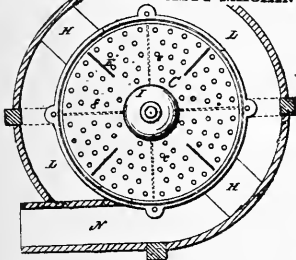
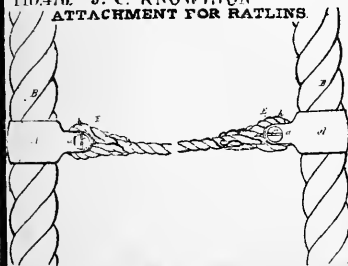
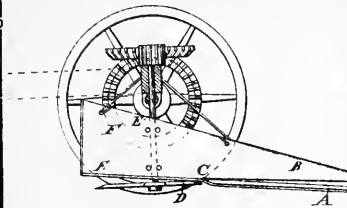
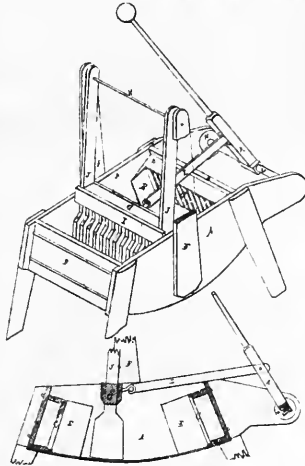
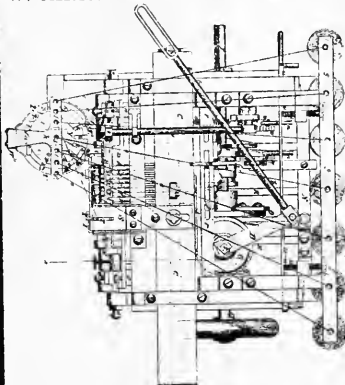
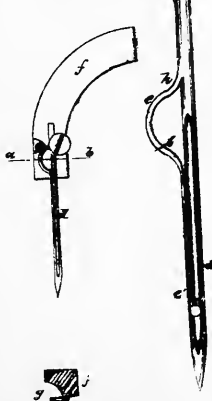
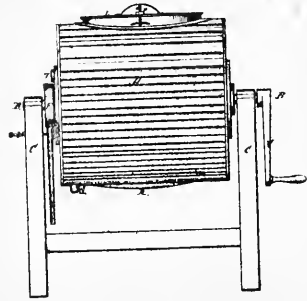
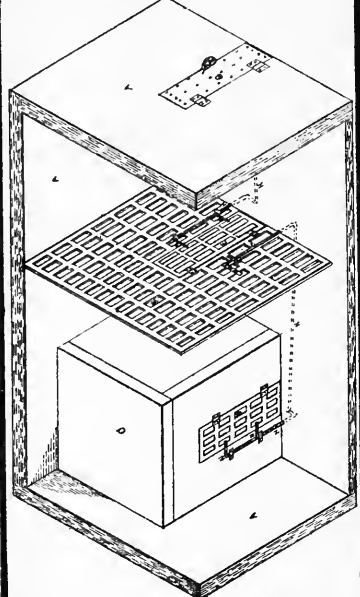
110.465. F. A. HOLCOMB  
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110.469. E. T. JARROLD REFINING  
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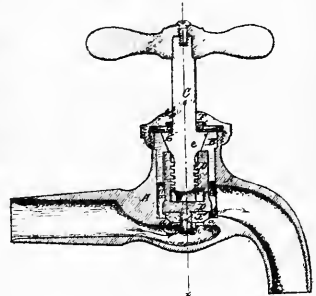
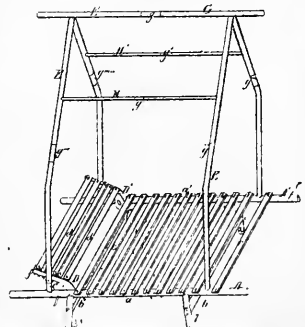
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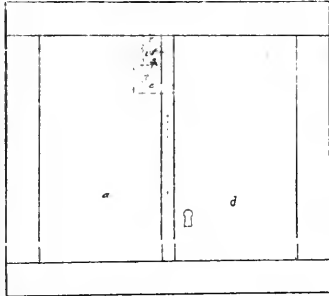
110.472. W. KAISER  
BASE BURNING STOVE.

110.473. E. S. KENNEDY SPICE BOX.

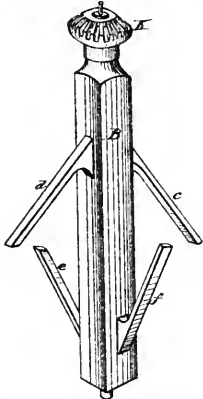
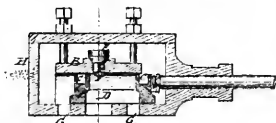
110.474. S. U. KING.  
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110.484 P. A. MAYOR WATER FAUCET

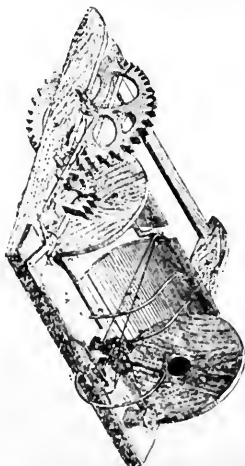
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CAMP BEDSTEAD.

110,486. A. McKAY  
AUTOMATIC DOOR BOLT.

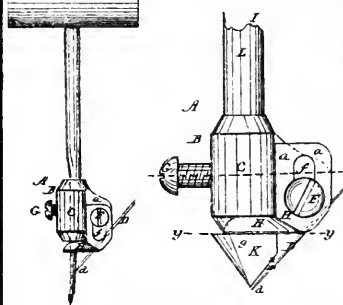
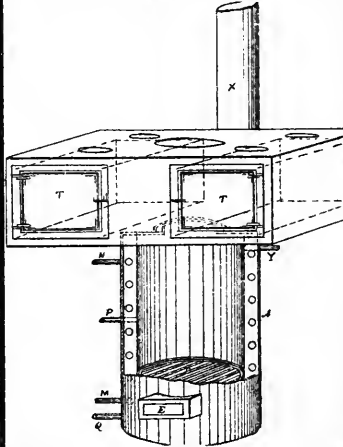
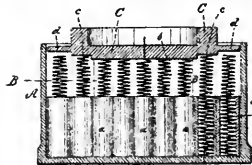
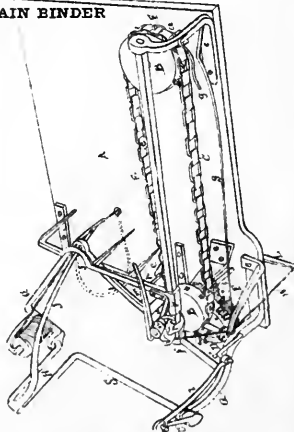
110,487. B. MELLORCHURN DASHER

110,488. W. MOLLOR  
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TREATING BESSEMER STEEL110,490. J. NESBITT  
BALANCED SLIDE VALVE.

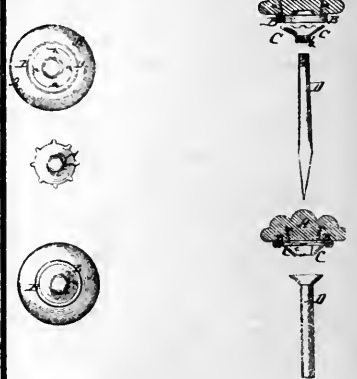
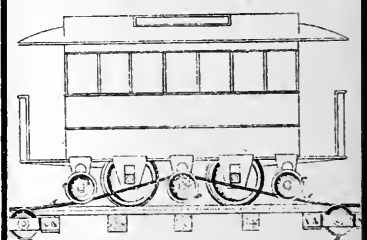
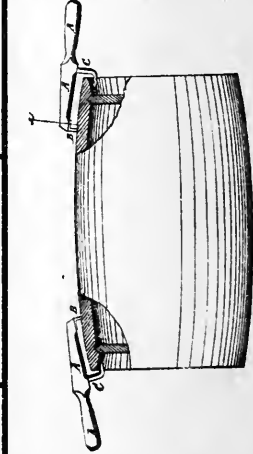
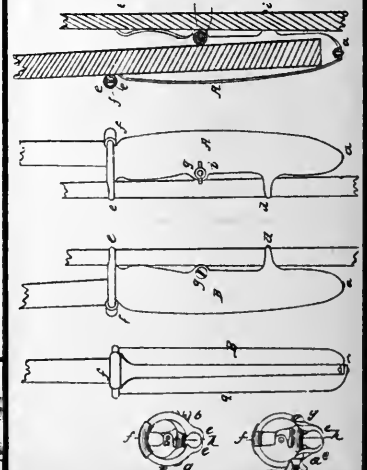
110,491. W. PARK KEY FOR LOCKS

110,492. L. A. FAYETTE PARKER.  
GRAIN BINDER.

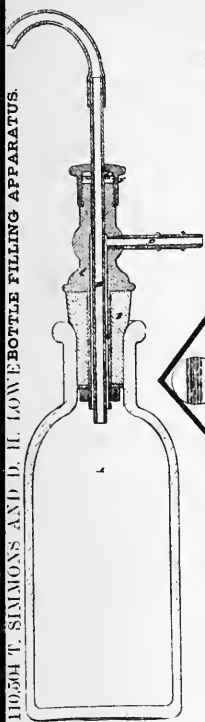
110,493. SUSPENDED

110,494. M. M. PETTES.  
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110,500. T. C. RICHARDS  
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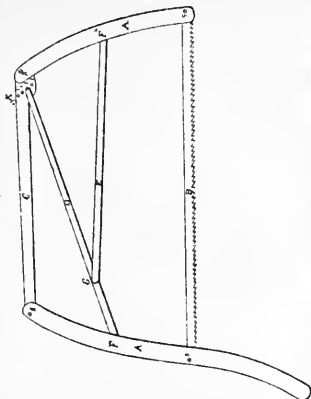
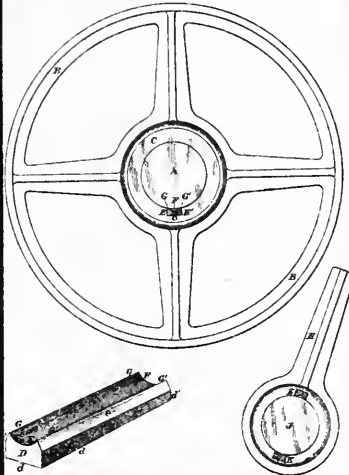
110,504 T. SIMMONS AND D. H. LOWE BOTTLE FILLING APPARATUS.



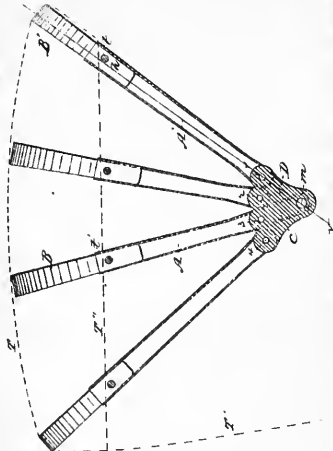
110,505 J. SMILES BREACH LOADING FIRE ARM



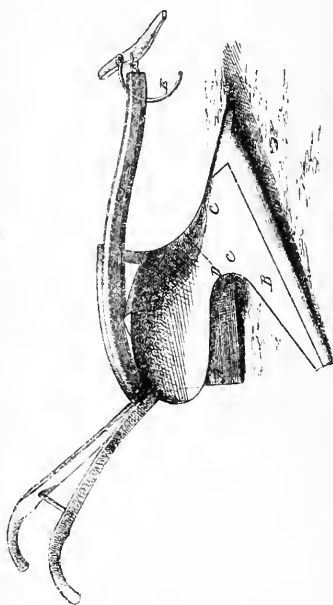
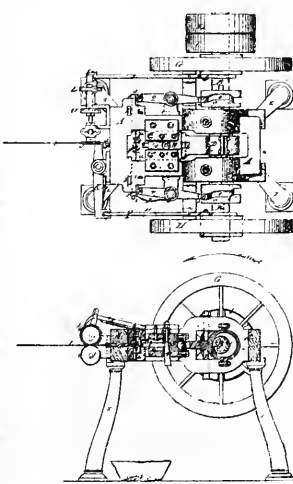
110,509. A. B. SPROUT BUCK SAW

110,510. N. STEDMAN  
KEY FOR SHAFTING.

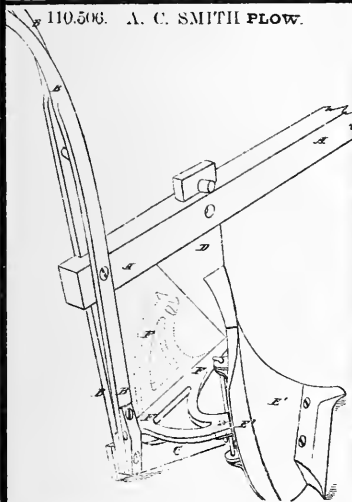
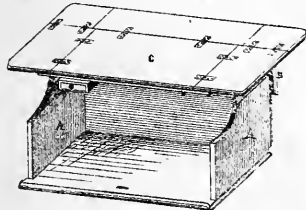
110,513 I. N. TOPLIFF CARRIAGE BOW



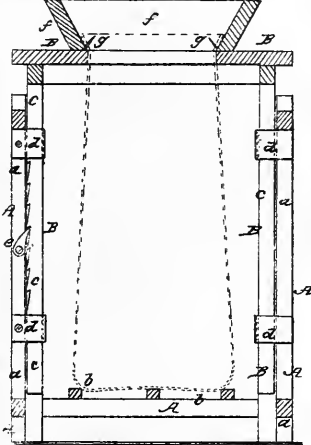
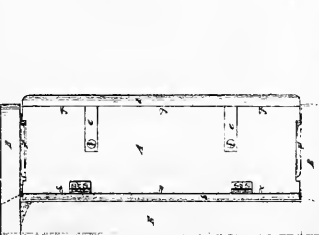
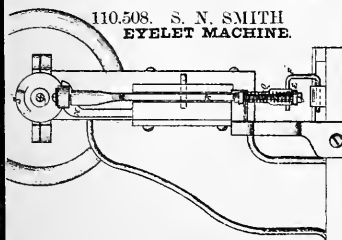
110,514. W. TRIPP POTATO DIGGER

110,515. V. DE M. UPHAM  
MACHINE FOR HEADING RIVET AND  
SCREW BLANKS.

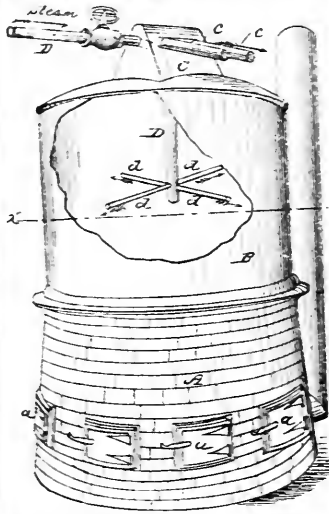
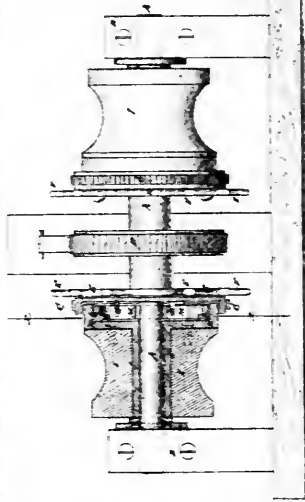
110,506. A. C. SMITH PLOW.

110,507. J. E. SMITH  
CABINET FOR SEWING MACHINES

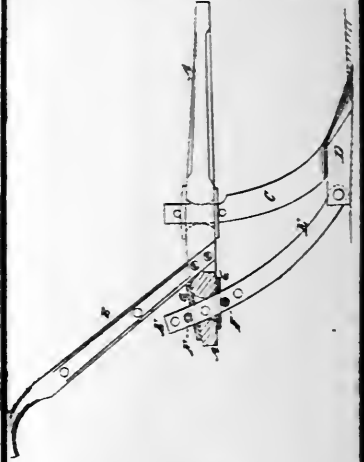
110,511. A. D. SWOGGER BAG HOLDER

110,512. J. P. TIBBITS  
TURN UP SEAT FOR CHURCHES, &c110,508. S. N. SMITH  
EYELET MACHINE.

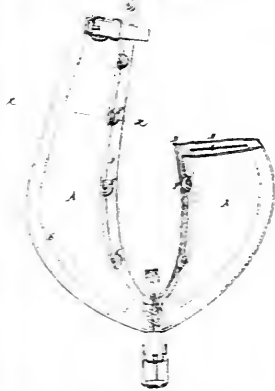
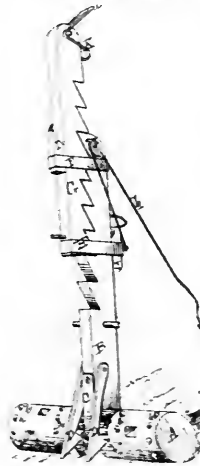


110,516. S. VAN SYCKEL STILL  
FOR PETROLEUM AND OTHER OILS.110,521. E. AND G. N. WATERBURY  
WINDLASS

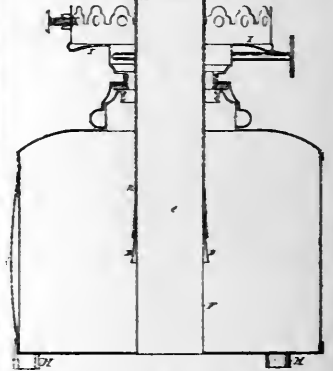
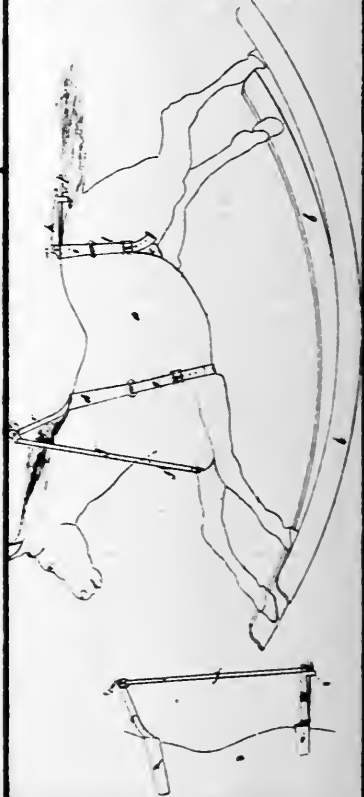
110,525 T. G. WILDER SUBSOIL FLOW.



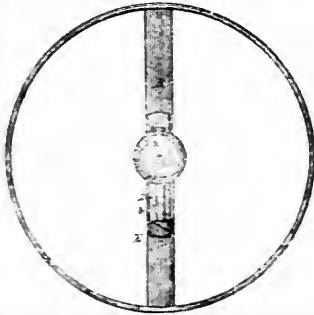
110,517. SUSPENDED

110,518. J. F. WALSH  
HORSE COLLAR PAD110,522. C. S. WESTCOTT  
PRINTERS INKING ROLLER110,523. E. WHITCOMB  
ROLLER LIFTING POWER

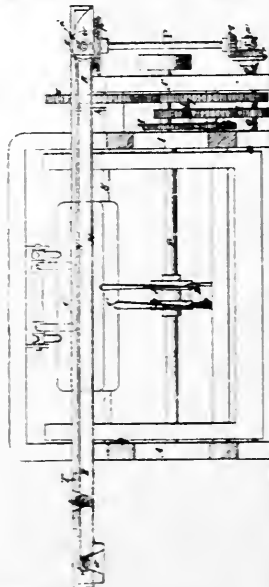
110,524. T. S. WILLIAMS LAMP.

110,527. W. L. WILLIAMS  
SEAT GUARD FOR HORSEY HORSES.

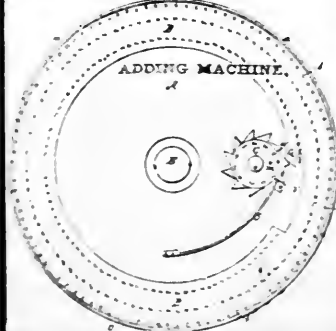
110,519. R. WARD TOY HOOP.

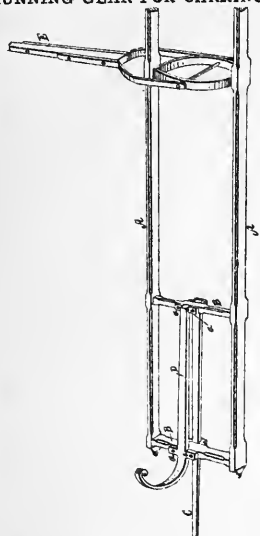
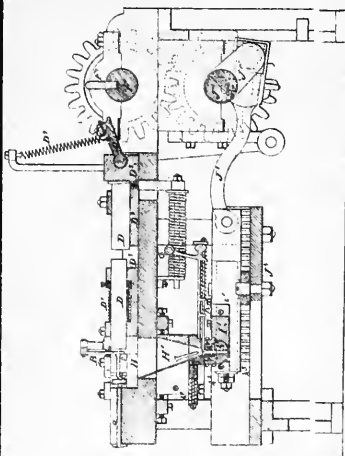
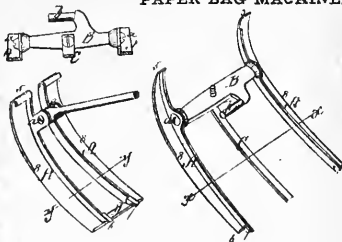


110,524. R. WHITEHILL LOOM

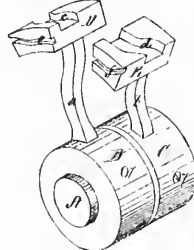
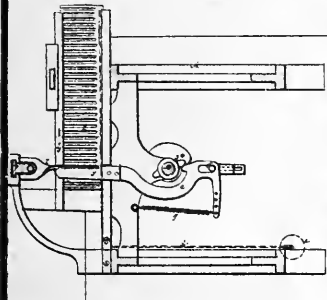


110,520. T. F. WARNER

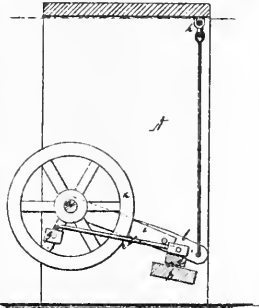
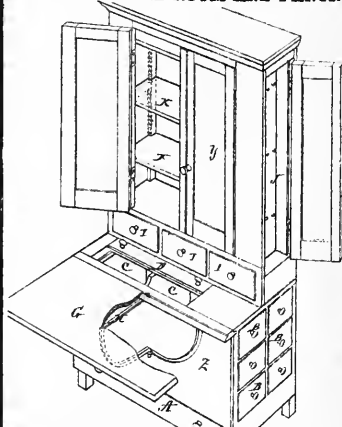
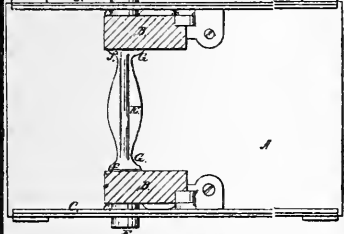
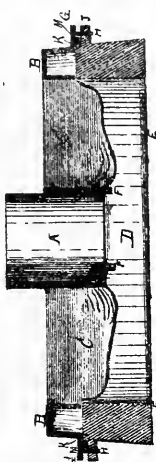


110.528. J. B. WITHEY  
RUNNING GEAR FOR CARRIAGES.110.532. J. M. ALDEN  
WOOD SCREW MACHINE.110.536. C. F. ANNAN  
PAPER BAG MACHINE.

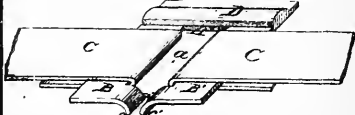
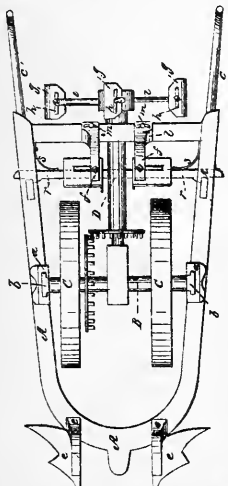
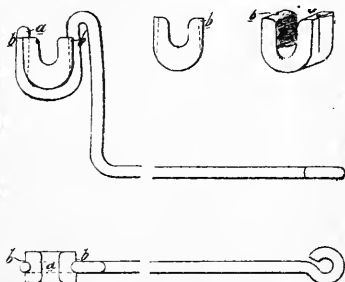
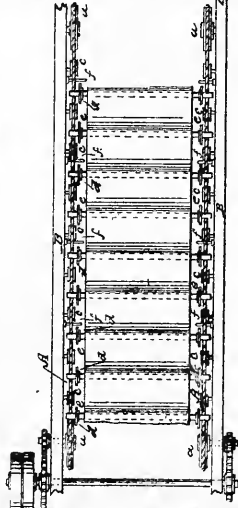
110.537C. F. ANNAN ADJUSTABLE CAM

110.529. O. D. WOODBURY  
MACHINE FOR MAKING BRUSHES.

110.533. A. M. ALLEN TREADLE

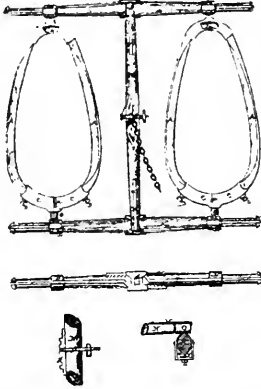
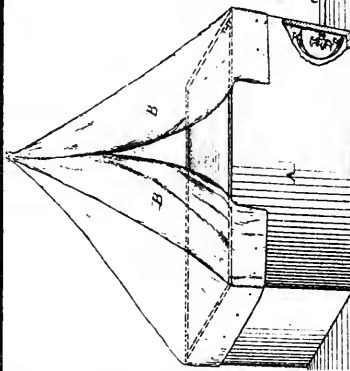
110.538. T. A. BARRELL  
PORTABLE STORE ROOM AND PANTRY110.530. E. J. WORCESTER  
BORING MACHINE.110.534. A. ALLING  
COPE FOR CASTING CAR WHEELS.

110.539G. N. BEARD COTTON BALE TIE.

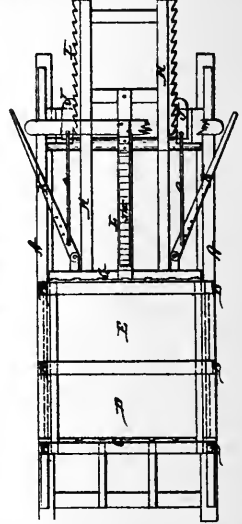
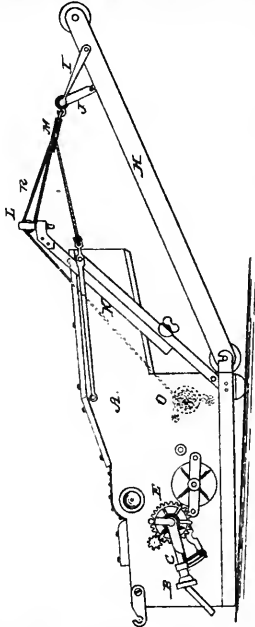
110.531. J. H. W. YOUNG COTTON  
CULTIVATOR, SCRAPER, AND CHOPPER.110.535. W. W. ALTEMUS  
THREAD GUIDE AND HOLDER FOR  
BOBBIN WINDING MACHINES.110.540. F. BECK. MACHINE FOR  
DRYING PAPER AND OTHER FABRICS.

110,541

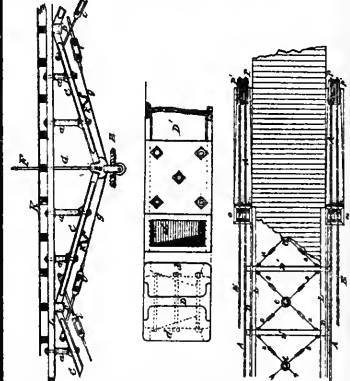
A. B. BEAUMONT HORSE YOKE

110,545. J. W. CALDWELL COMBINED  
IMMERSION AND STEAM BATH

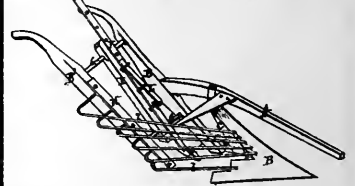
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110,542. E. M. BIRDSALL GRAIN  
THRASHER, SEPARATOR, AND CLEANER

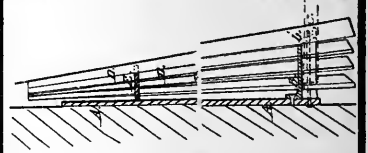
110,546. A. McDONALD. BRIDGE



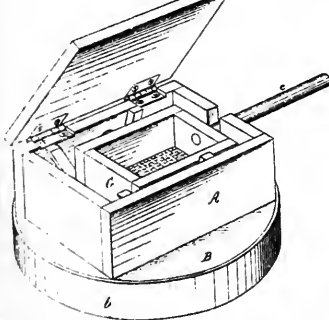
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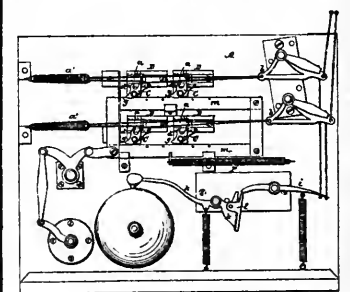
110,551. E. B. CORBY CLOTHES DRIER.



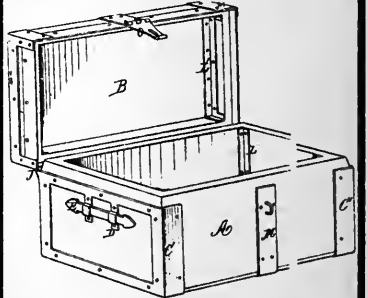
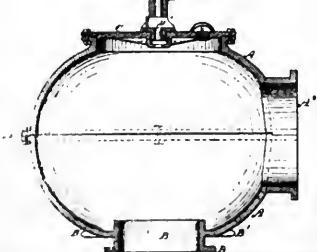
110,543. S. O. BLANDING SIFTER.



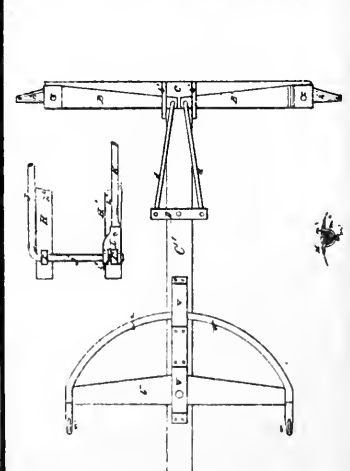
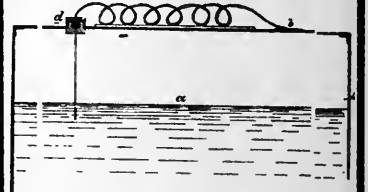
110,547. J. CAPRON ANNUNCIATOR.



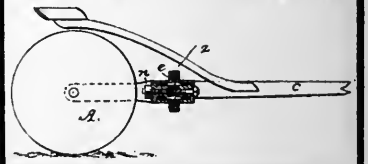
110,552. F. K. DAGGETT TRUNK.

110,544. J. W. BOOKWALTER  
WATER WHEEL

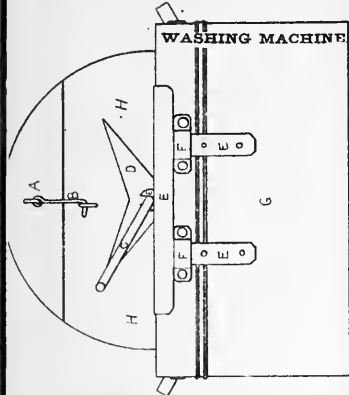
110,548. J. H. CARLOW CULTIVATOR

110,553. C. J. A. DICK PREVENTING  
INCRUSTATION OF STEAM BOILERS.

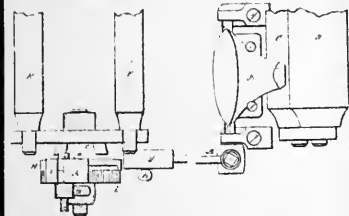
110,554. J. W. DILLEY LAND ROLLER



110,555. W. J. DODGE.

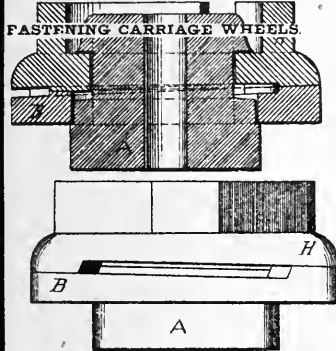


110,556G. DRAPER DRAWING FRAME

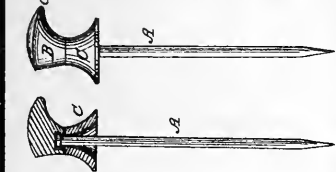


110,557. W. ELDER

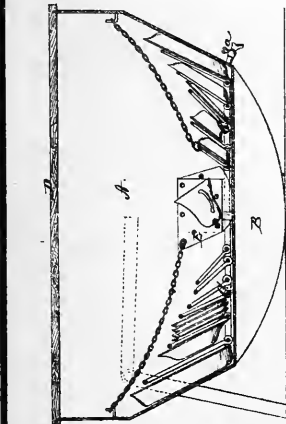
FASTENING CARRIAGE WHEELS.



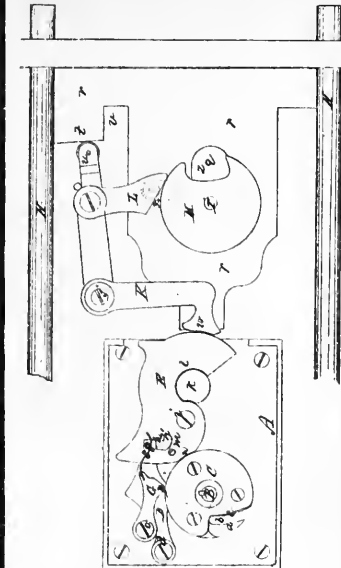
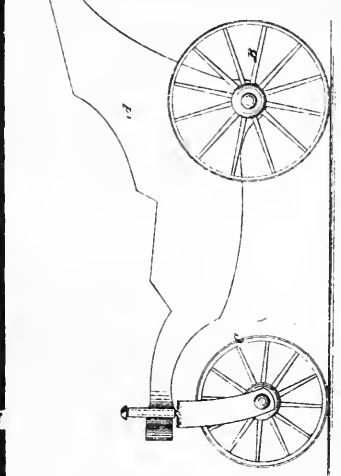
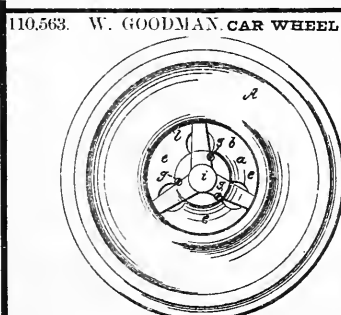
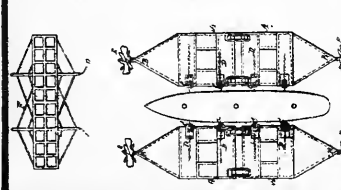
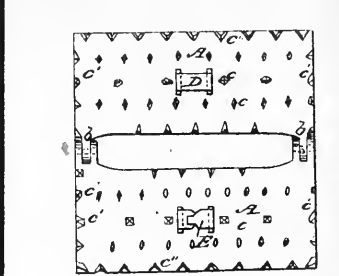
110,558C. H. FIELD CARRIAGE BUTTON



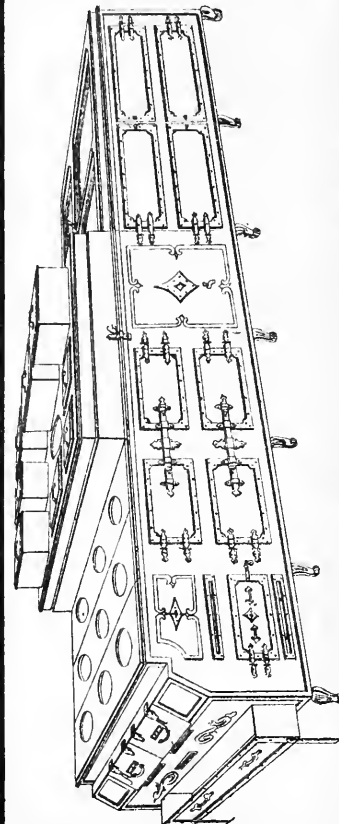
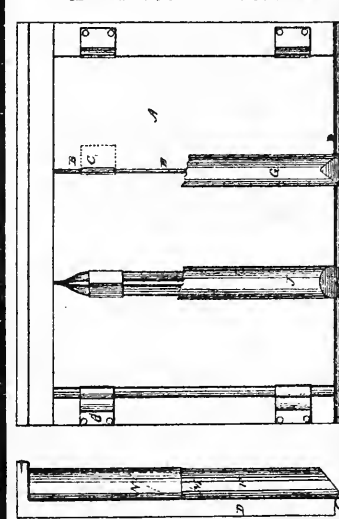
110,559R. AND R. D. S. FILSON AND J. D. COPE. DISH WASHER



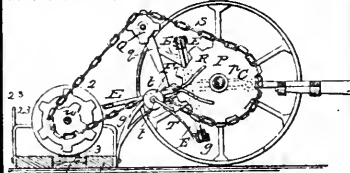
110,560C. FLESCHE PERMUTATION LOCK

110,561. I. N. FORRESTER  
CHILD'S CARRIAGE110,562. W. H. FULLER TREATING  
SIDES AND MANUFACTURING LEATHER110,564. J. E. GOWEN  
APPARATUS FOR RAISING VESSELS.110,565. J. M. GRAY  
HAND CORN HUSKER AND SHELLER

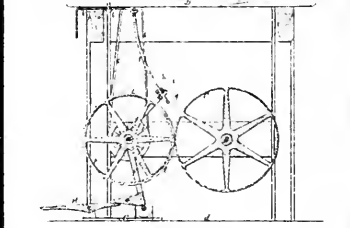
110,566. W. HALL COOKING RANGE

110,567. J. S. HAYWOOD  
METAL ROOF FOR BUILDINGS.

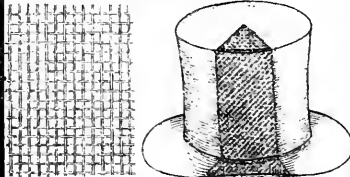
110,568. G. F. HAWLEY HARVESTER.



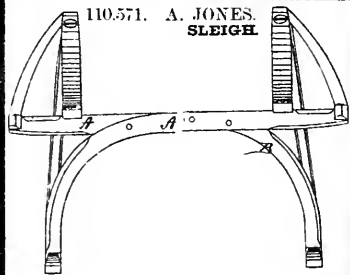
110,569. E. L. HOWARD MECHANISM FOR OPERATING SEWING MACHINES



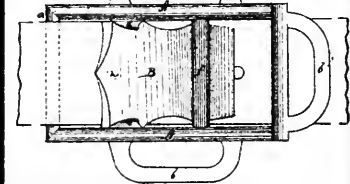
110,570. G. JOHNSON HAT.



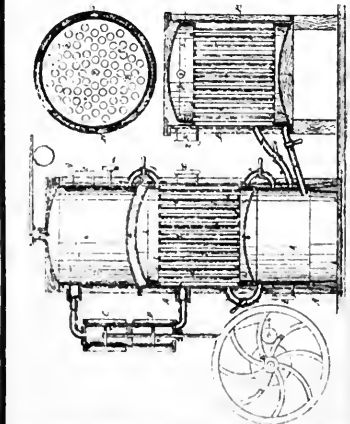
110,571. A. JONES SLEIGH.



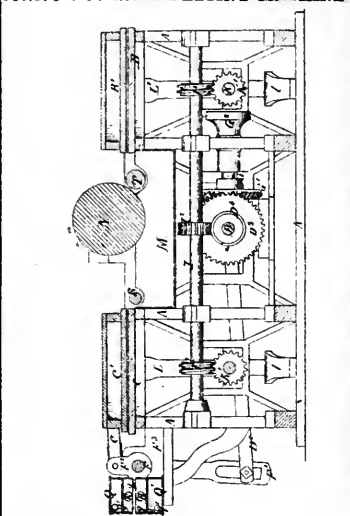
110,572. W. W. KITTLEMAN TRACE BUCKLE.



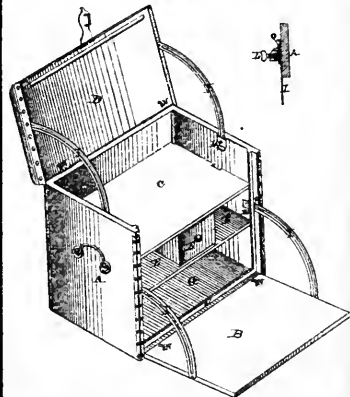
110,573. J. KRAFFT MACHINE FOR COOLING AIR AND FOR THE MANUFACTURE OF ICE



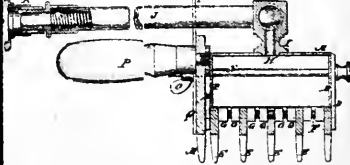
110,574. P. LADD FELTING MACHINE



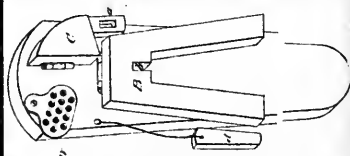
110,575. J. G. LANE TRUNK.



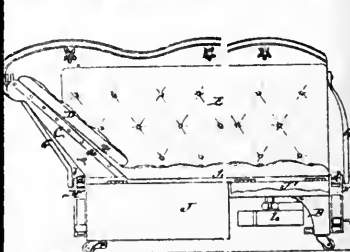
110,576. W. E. LAWRENCE CURRY COMB



110,577. J. J. MARK IRONING TABLE.



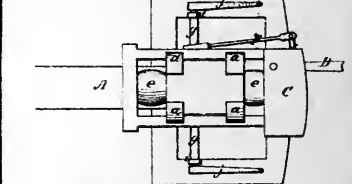
110,578. M. MARSO FOLDING LOUNGE



110,579. L. MAYHEW AXLE SKIN



110,580. W. H. MEADOWS CAR COUPLING



110,581. F. B. MORSE CARRIAGE CLIP

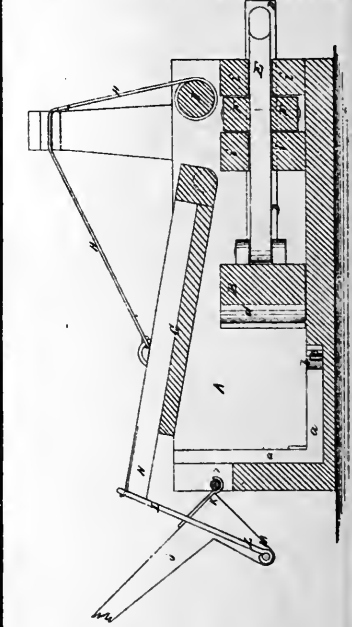


110,582. E. D. MURFEY MATERIAL FOR BEARINGS AND PACKINGS

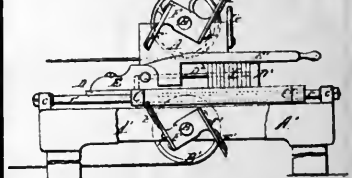
110,583. E. D. MURFEY BEARING AND PACKING MATERIAL.

110,584. E. D. MURFEY THE MANUFACTURE OF MATERIAL FOR JOURNALS, BEARINGS, AND PACKINGS

110,585. M. V. NORTHRUP HAY AND OTHER PRESSES



110,586. W. AND J. F. NUELLE MACHINE FOR DRESSING FENCE PICKETS

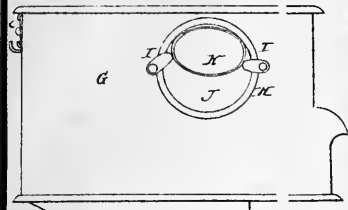


110,587. J. S. PALMER FINGER RING.

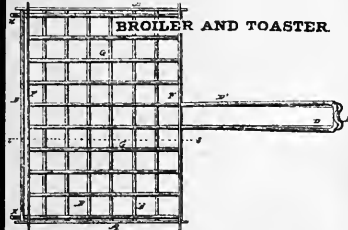
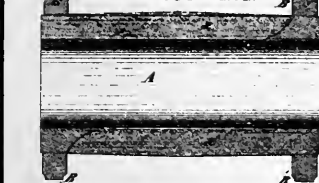




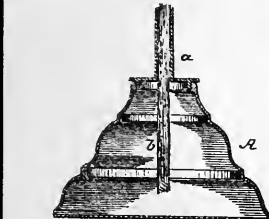
110,588. M. PRATT COOKING STOVE.



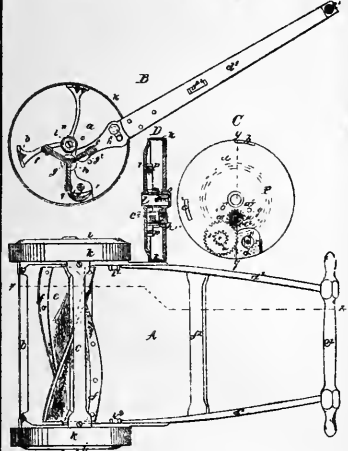
110,589 J. M. READ AND J. M. SMITH

110,590. P. W. REINSHAGEN  
SHAFT COUPLING.

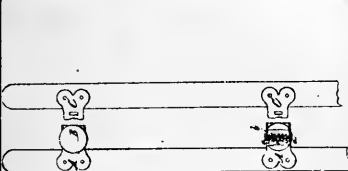
110,591. D. T. ROBINSON LAMP WICK.



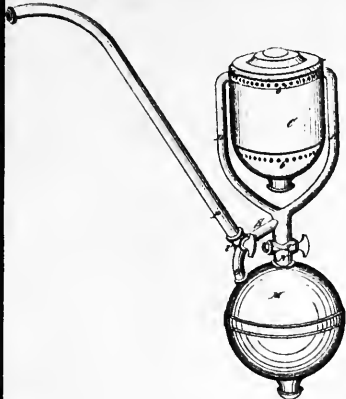
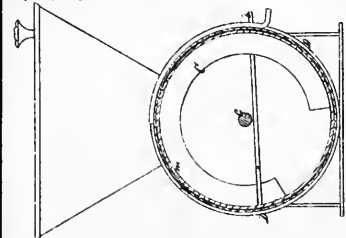
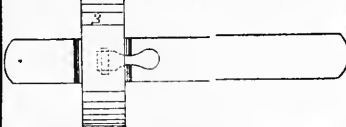
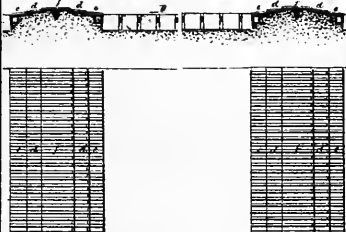
110,592. L. ROSS LAWN MOWER.



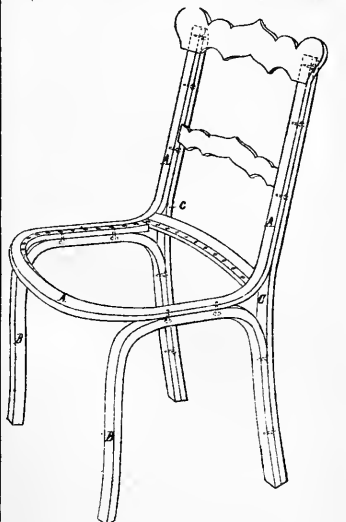
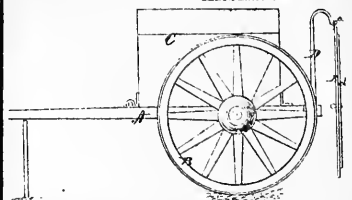
110,593 C. SCHIECK CORSET FASTENING.



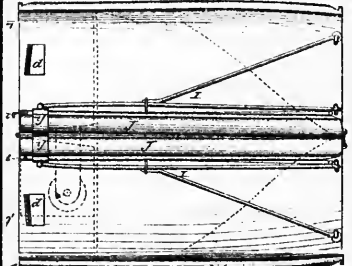
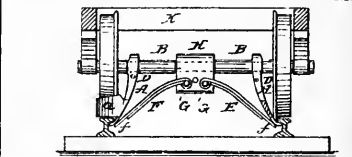
110,594. W. SELFE TOBACCO PIPE

110,595. S. H. SUEPLAR AND  
W. G. CONKLIN SEED SOWER110,596. H. P. Sisson  
CARPENTER'S GAGE.110,597. B. C. SMITH  
COMBINED TRAMWAY AND PAVEMENT

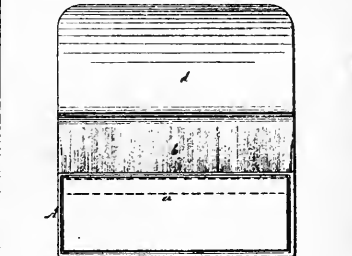
110,598. W. M. SMITH CHAIR FRAME.

110,599. H. SPEARS PORTABLE SHIELD  
FOR INFANTRY AND ARTILLERY.

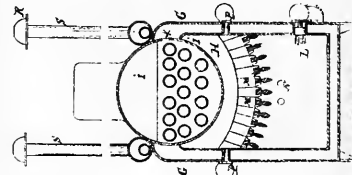
110,600. J. M. STARR LIFE BOAT

110,601. C. STOLL  
MALT RESERVOIR.110,602. A. STRAUSS. SAFETY  
ATTACHMENT FOR RAILWAY TRUCKS.

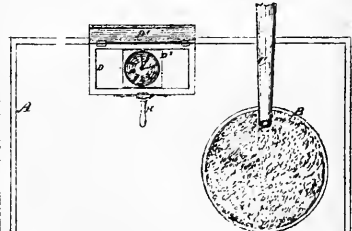
110,603. T. F. STUMPF POCKET BRUSH



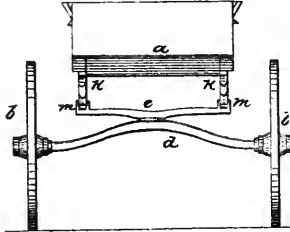
110,604. F. SULTER STEAM BOILER



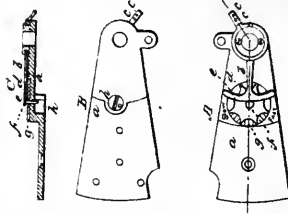
110,605 W. Z. TAYLOR GRAIN REGISTER



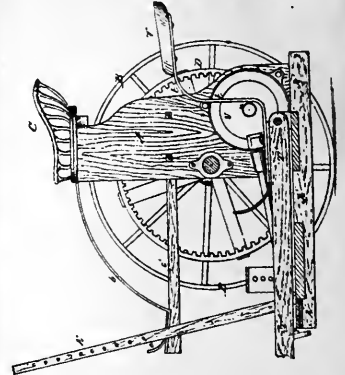
110,606. C. THOMAS CARRIAGE.



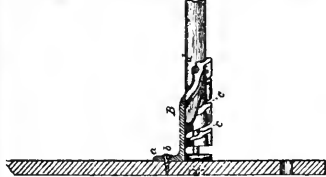
110,614. C. V. WOERD WATCH REGULATOR.



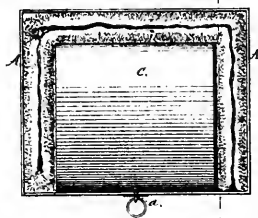
4,217. R. DUTTON HARVESTER.



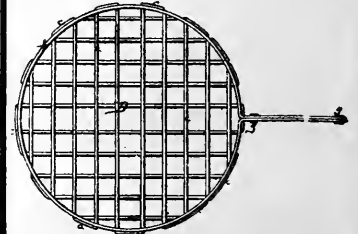
110,607 W. TREDENICK CLOTHES DRIER



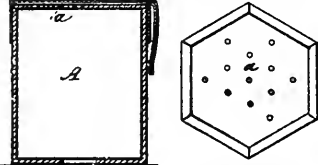
110,615. C. W. FRAZER FUR SET BOX



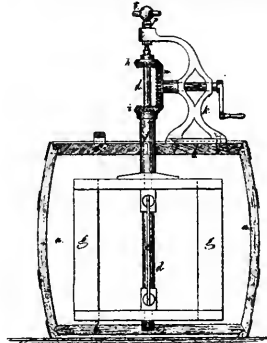
4,218. J. T. PAGE BROILER



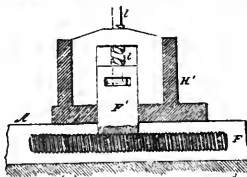
110,608 A. E. TURNBULL, JR. PEPPER AND SPICE BOX



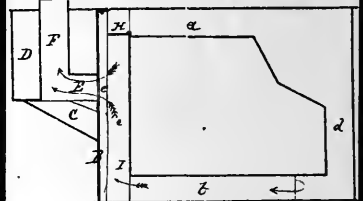
110,616. J. O. McCLASKEY CHURN.



110,609. C. VAN HAAGEN MACHINE FOR CUTTING AND SHAPING METALS

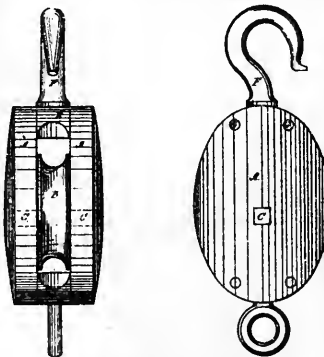


4,219. G. H. PHILLIPS RESERVOIR COOKING STOVE

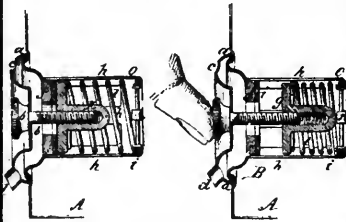


110,610. S. S. WALBANK COMPOUND FOR TREATING LEATHER

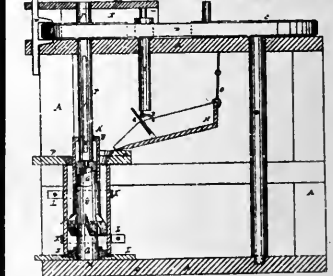
4,215J. A. BURR, assignor to BURR &amp; CO. HOISTING BLOCK.



110,611. A. WARTH TAP FOR OIL PACKAGES



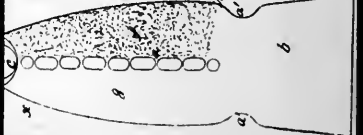
4,220. J. W. STOCKWELL WATER PIPE MACHINE



110,612. A. WARTH TAP FOR OIL PACKAGES



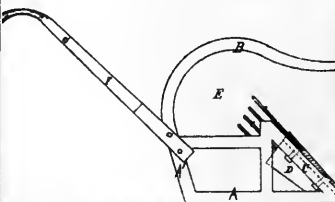
4,221E. B. REQUA, assignor to THE REQUA CONCAVE BURNER AND CHIMNEY COMPANY LAMP CHIMNEY



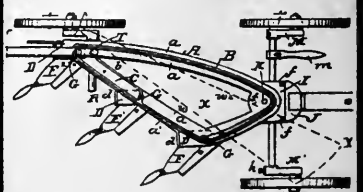
110,613. M. M. WELLS GRAIN RAKE.



4,216J. M. DICK, assignor to himself and W. H. ALBRO. SHOVEL FLOW AND POTATO DIGGER COMBINED.



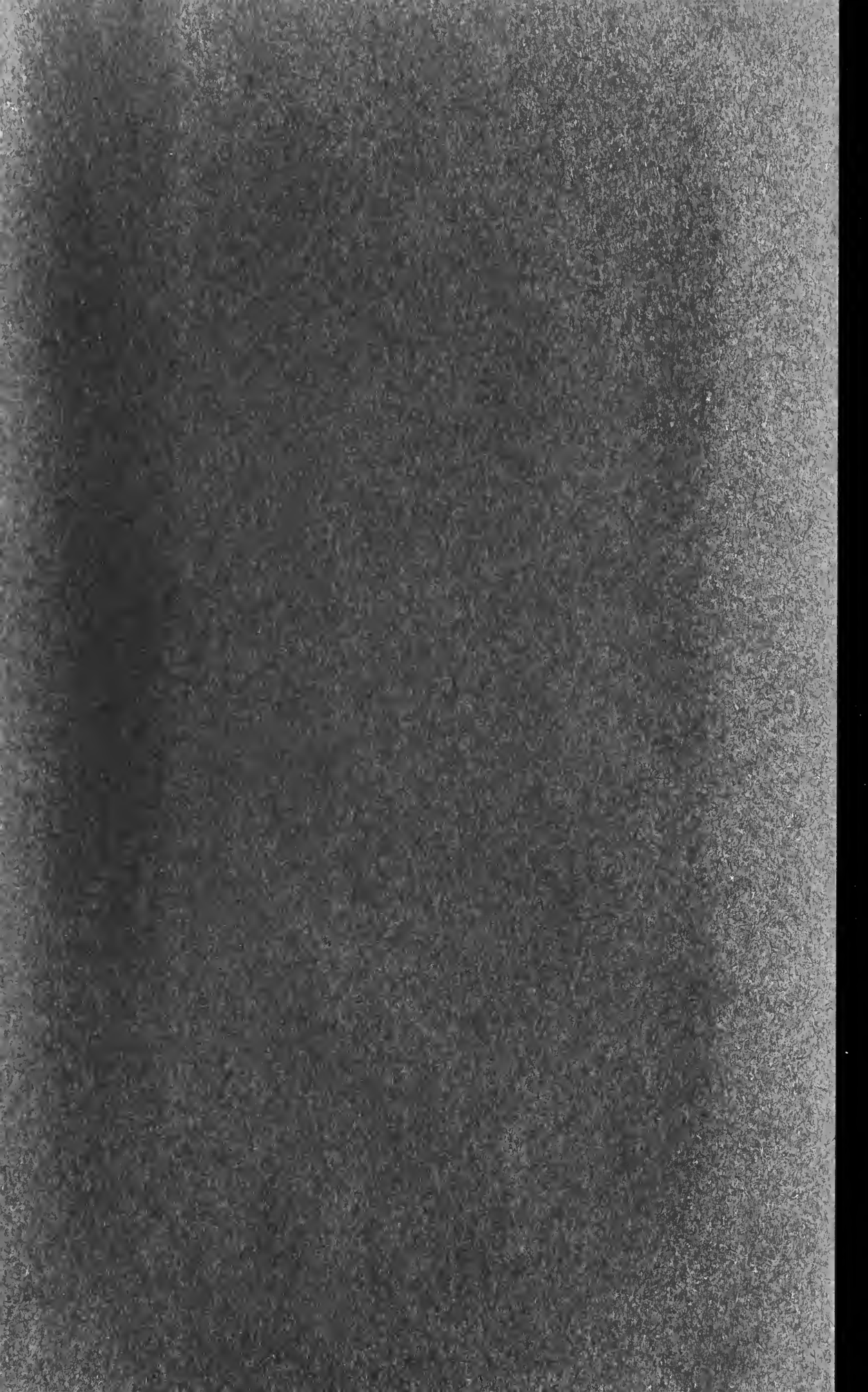
4,222. G. W. HILDRETH GANG FLOW.



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